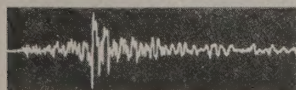


EARTHQUAKE PREPAREDNESS AND PUBLIC INFORMATION: AN ANNOTATED BIBLIOGRAPHY

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*denotes alternate

The work that provided the basis for this publication was supported by joint funding through a cooperative agreement between the Federal Emergency Management Agency and the California Seismic Safety Commission (EMF-84-K-0185). The recommendations and suggestions included in this document are intended to improve earthquake preparedness, response and mitigation. The contents do not necessarily reflect the views and policies of the Federal Emergency Management Agency or the California Seismic Safety Commission and do not guarantee the safety of any individual, structure or facility in an earthquake situation. Neither the United States nor the State of California assumes liability for any injury, death or property damage which occurs in connection with an earthquake.

EARTHQUAKE PREPAREDNESS AND PUBLIC INFORMATION:

An Annotated Bibliography

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Revised



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Additional review and recommendations were made by: VIVIAN GRATTON - CALEEP; DAVID MORTON and SUSAN TUBBESING - University of Colorado, Boulder; and JOY SVIHRA - Earthquake Engineering Research Center.

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To the user:

EARTHQUAKE PREPAREDNESS AND PUBLIC INFORMATION: AN ANNOTATED BIBLIOGRAPHY has been prepared by the Bay Area Regional Earthquake Preparedness Project (BAREPP), a project funded jointly by the California Seismic Safety Commission and the Federal Emergency Management Agency. The goal of the project is to promote comprehensive planning for a major earthquake in the ten county Bay Area. BAREPP has been patterned after the Southern California Earthquake Preparedness Project (SCEPP) which is now in its fifth year of operation. BAREPP and SCEPP share the philosophy of promoting and supporting local initiation and local control of the earthquake preparedness planning process.

One of BAREPP's tasks in its first year has been to adapt for the Bay Region materials prepared by SCEPP. This bibliography is an update of SCEPP's 1983 EARTHQUAKE PUBLIC INFORMATION MATERIALS: AN ANNOTATED BIBLIOGRAPHY. It is an annotated listing of books, booklets, pamphlets, brochures, posters, and audiovisual materials published or prepared by public and private sources. The bibliography has been divided into sixteen major topical areas. In addition to the annotation, we have identified sources for each entry, and we have provided indices by author and topic. Also, all documents and materials, except for the audiovisual materials, are available to view at the BAREPP offices.

This bibliography is not intended to be an exhaustive resource list but rather a representative sample of materials that are directed toward the general public and non-technical audience.

We hope you find these materials of use.

A handwritten signature in dark ink, reading "Richard K. Eisner".

RICHARD K. EISNER
Project Director

RKE:sb
attachment

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I. GENERAL SEISMOLOGY, GEOLOGY AND HISTORY

1. Algermissen, S.T. 1983. *AN INTRODUCTION TO THE SEISMICITY OF THE UNITED STATES*. Berkeley, CA: Earthquake Engineering Research Institute.

A volume in an EERI Monograph Series providing an introduction to the seismicity of the U.S. Seismicity is discussed geographically, and a chapter on seismic zoning is included that provides back ground information about the application of seismological and geological research to the problems of earthquake-resistant design.

Source: EERI, 6431 Fairmount Ave., Suite 7, El Cerrito, CA 94530, (415) 525-3668.

2. Bloom, Roger. 1984. *IN THE PATH OF THE FAULT*. Tempe, AZ: Roger Bloom.

Written by an airline pilot and engineer with an interest in and concern for the next great earthquake in California. Discusses expected damages and problems, state of the art earthquake science, and kinds of planning and preparedness programs that exist. Includes a resource list and many photos.

Source: Roger Bloom, 1232 East Broadway, Suite 210, Tempe, Arizona 85282, (602)829-1354.

3. Bolt, Bruce A. 1978. *EARTHQUAKES, A PRIMER*. New York: W.H. Freeman and Company.

A very readable book that describes present knowledge of earthquakes for people with little or no background in earth science. Discusses the causes of earthquakes, how they can be measured, historical events, as well as self-protection in an earthquake and improvements in earthquake resistant design. Several useful appendices and an earthquake quiz.

Source: Publisher.

4. California Seismic Safety Commission. 1983. *SEISMIC SAFETY IN CALIFORNIA: SHORT HISTORY AND CURRENT ISSUES*. Publication No. 83-06. Sacramento, CA: CSSC.

A Seismic Safety Commission document summarizing the most important

seismic safety initiatives in California and current efforts in reducing earthquake risk.

Source: CSSC, 1900 K Street, Suite 100, Sacramento, CA 95814,
(916) 322-4917.

5. California Seismic Safety Commission. 1980. *SELECTED DAMAGING CALIFORNIA EARTHQUAKES*. A reference to earthquake damage with isoseismal maps. Sacramento, CA: CSSC.

This collection is an attempt to show representative types of earthquake damage in every area of the state. The areal extent of each earthquake's intensities is shown on an isoseismal map and selected damages are described according to those intensities.

Source: CSSC, 1900 K Street, Suite 100, Sacramento, CA 95814,
(916) 322-4917.

6. Foraker, Joseph W. 1983. *WHAT YOU SHOULD KNOW ABOUT EARTHQUAKES: IT COULD SAVE YOUR LIFE: AN "EARTHQUAKE AWARENESS" BOOK*. Mission Viejo, CA: SJB Publishing Company.

A basic guide to earthquakes that discusses what earthquakes are, planning steps that an individual could use in preparing for an event, earthquake risk areas in the U.S. and description of historical events. Many photos.

Source: Publisher.

7. Gere, James M. and Haresh C. Shah. 1984. *TERRA NON FIRMA - UNDERSTANDING AND PREPARING FOR EARTHQUAKES*. Stanford, SCA: Stanford Alumni Association.

Written by engineering professors in a readable style for a non-technical audience. Includes a set of chapters on causes and effects of earthquakes and a comprehensive discussion of engineering, community and individual preparedness measures. Preparedness discussion includes good construction practices, building codes, land use planning, insurance, and specific steps that can be taken before, during and after the next major earthquake.

Source: Publisher.

8. Gilbert, Grove Karl, Richard Lewis Humphrey, John Stephen Sewell and Frank Soule. 1907. *THE SAN FRANCISCO EARTHQUAKE AND FIRE OF APRIL 18, 1906*. Washington, D.C.: United States Geological Survey, Government Printing Office (Reprint by San Francisco Historical Publishing Company).

A valuable historical document of the 1906 San Francisco earthquake and fire effects on structures and lifelines. Systematic coverage of individual buildings damage, with special emphasis on disaster effects on steel and reinforced concrete buildings. Helps understand the potential for earthquake damage in the San Francisco Bay Area.

Source: San Francisco Historical Publishing Co., P. O. Box 4999, San Francisco, CA 94101.

9. Hanks, Thomas C. 1985. *THE NATIONAL EARTHQUAKE HAZARDS REDUCTION PROGRAM - SCIENTIFIC STATUS*. U.S. Geological Survey Bulletin 1659. Washington, D.C.: USGS

This document is an update of current USGS earthquake-related projects. In addition, it offers an excellent discussion of the origin and nature of earthquakes.

Source: USGS, 504 Custom House, 555 Battery Street, San Francisco, CA 94111, (415) 556-5627.

10. Hayes, W.W. (Ed.). 1981 *FACING GEOLOGIC & HYDROLOGIC HAZARDS - EARTH SCIENCE CONSIDERATIONS*. U.S. Geological Survey Professional Paper 1240-B. Washington, D.C.: U.S. Government Printing Office.

An excellent general introduction to earth science considerations and actions that planners and decisionmakers can take to reduce losses from geologic and hydrologic hazards. Includes discussion of types of hazards from earthquakes (ground shaking, surface faulting, ground failures and tsunamis), their economic impact and what can be done to reduce losses. Many photos and maps.

Source: USGS, 504 Custom House, 555 Battery Street, San Francisco, CA 94111, (415) 556-5627.

11. Iacopi, Robert. 1976. *EARTHQUAKE COUNTRY*. Menlo Park, CA: Lane Books.

A basic document explaining why California has earthquakes and describing the many fault systems in the state. Photos of fault traces and damage from the numerous historical earthquakes are included.

Source: Sunset Books, Lane Publishing Co., Menlo Park, CA 94025.

12. Jennings, C.W. 1977. *GEOLOGIC MAP OF CALIFORNIA*. Geologic Data Map Series, Map No. 2, scale 1:750,000. Sacramento, CA: California Division of Mines and Geology.

This map provides a good, generalized picture of the geology of the entire state and is particularly useful when making slide presentations.

Source: CDMG, P.O. Box 2980, Sacramento, CA 95812, (916)445-5716.

13. Lawson, Andrew C. 1908 (reprint 1969). *THE CALIFORNIA EARTHQUAKE OF APRIL 18, 1906. REPORT OF THE STATE EARTHQUAKE INVESTIGATION COMMISSION*. Washington, D.C.: Publications Office - Carnegie Institution of Washington.

An excellent source of comprehensive information based upon an immediate on-site study of the effects of the 1906 earthquake. Includes both ground failure information as well as damage to structures.

Source: Publications Office, Carnegie Institution of Washington, 1530 P Street, N.W., Washington, D.C. 20005.

14. Schnell, Mary L. and Darrell G. Herd. (Eds.) 1984. *NATIONAL EARTHQUAKE HAZARDS REDUCTION PROGRAM: OVERVIEW*. Geological Survey Circular 518. Washington, D.C.: FEMA, USGS, NSF & NBS.

This volume gives a very good insight into the general nature of earthquakes, their accompanying effects, as well as a nation-wide survey of earthquake risk (by state and region). It introduces the National Program for Earthquake Hazards Reduction, and discusses the roles of various federal agencies and responsibilities within this Program.

Source: Branch of Distribution, U.S. Geological Survey, 604 South Pickett St., Alexandria, VA 22304
and
Federal Emergency Management Agency, P. O. Box 8181,
Washington, D.C. 20024.

15. Scientific American. 1980. *EARTHQUAKES AND VOLCANOES*. 10th ed. San Francisco: W.H. Freeman and Co.

Readings from Scientific American with introduction by Bruce Bolt. Includes articles on earthquake properties and earthquakes and earth structure. Good descriptions of basic seismology and geology.

Source: Publisher.

16. Wallace, Robert E. and Sandra S. Schulz. 1983. *"AERIAL VIEWS IN COLOR OF THE SAN ANDREAS FAULT, CALIFORNIA."* USGS Open File Report 83-98. Denver, CO: United States Geological Survey.

A preliminary report on geographic characteristics of the San Andreas fault zones. Accompanied by a set of forty color slides to illustrate such geographic features as offset stream channels, sags, linear valleys and troughs, shutter ridges, linear scorplets, side-hill benches and saddles.

Source: OFSS - Branch Distribution, USGS, Box 25425 Federal Center
Denver, CO 80225. For slides inquire at USGS Photo Library in
Denver (303) 234-4004.

17. Yanev, Peter. 1977. *PEACE OF MIND IN EARTHQUAKE COUNTRY.* San Francisco, CA: Chronicle Books.

A good basic reference for the layperson on earthquake hazards. Describes in straightforward language the geologic, architectural and structural hazards of earthquakes and recommends techniques for avoiding or correcting them.

Source: Publisher.

II. EARTHQUAKE PLANNING AND LOCAL GOVERNMENTS

18. Arnold, Christopher, Michael Durkin, Richard Eisner and Dianne Whitaker. 1982. *IMPERIAL COUNTY SERVICES BUILDING: OCCUPANT BEHAVIOR AND OPERATIONAL CONSEQUENCES AS A RESULT OF THE 1979 IMPERIAL VALLEY EARTHQUAKE*. San Mateo, CA: Building Systems Development, Inc.

A study examining occupant behavior during the 1979 earthquake, as well as the relocation process for the county agencies that were forced to move, through the closure and eventual demolition of the building.

Source: Building Systems Development, Inc., 3130 La Selva, Suite 308, San Mateo, CA 94403 (415) 574-4146.

19. Arnold, Christopher and Michael Durkin. 1983. *HOSPITALS AND THE SAN FERNANDO EARTHQUAKE OF FEBRUARY 1971: THE OPERATIONAL EXPERIENCE*. San Mateo, CA: Building Systems Development, Inc.

A report that describes the experiences of five hospitals in the San Fernando earthquake and covers the five most seriously damaged buildings. Indicates to a hospital administrator and staff at all levels what they may expect if their institution is subjected to a major earthquake.

Source: Building Systems Development, Inc., 3130 La Selva, Suite 308, San Mateo, CA 94403 (415) 574-4146.

20. Association of Bay Area Governments. 1976. *HAZARDS EVALUATION FOR DISASTER PREPAREDNESS PLANNING*. Oakland, CA: ABAG.

A publication introducing officials to a method for identifying hazards, suggesting some relatively simple methods for presenting some possible guidelines for establishing priorities for hazard reduction or elimination.

Source: ABAG, MetroCenter, P.O. Box 2050, Oakland, CA 94604, (415) 464-7900.

21. ABE Joint Venture. 1985. *AN ACTION PLAN FOR REDUCING EARTHQUAKE HAZARDS OF EXISTING BUILDINGS*. Earthquake Hazards Reduction Series 16. Washington, D.C.: Federal Emergency Management Agency.

This action plan for reducing earthquake hazards of existing buildings was developed to fulfill a task identified by the National Earthquake Hazards Reduction Program. This is a coherent, comprehensive and detailed plan for mobilizing federal resources and influence in the support of resolving the existing earthquake hazardous building problem.

ABE Joint Venture consists of Applied Technology Council (ATC), Building Seismic Safety Council (BSSC) and the Earthquake Engineering Research Institute (EERI). It was created specifically to assist the Federal Emergency Management Agency in developing this nation-wide Action Plan.

Source: FEMA, P. O. Box 8181, Washington, D. C. 20024

22. ABE Joint Venture. 1985. *PROCEEDINGS: WORKSHOP ON REDUCING SEISMIC HAZARDS OF EXISTING BUILDINGS*. Earthquake Hazards Reduction Series 15. Washington, D.C.: Federal Emergency Management Agency.

The Proceedings of the Workshop held March 27-29, 1985, in Tempe, Arizona, that was organized to review and further develop the FEMA Action Plan for mobilizing federal resources and influence in the support of measures to mitigate the seismic hazards posed by existing non-federal buildings. *Proceedings* include papers presented on various aspects of earthquake hazards posed by existing buildings. This volume is supplemented by *An Action Plan for Reducing Earthquake Hazards of Existing Buildings*. (See entry 21 for annotation).

Source: FEMA, P. O. Box 8181, Washington, D.C. 20024

23. Bay Area Earthquake Study. 1984. *EARTHQUAKE PREPAREDNESS IN THE SAN FRANCISCO BAY REGION: AN INVENTORY AND ASSESSMENT OF CURRENT PROGRAMS AND ACTIVITIES AND RECOMMENDATIONS FOR FUTURE COMPREHENSIVE EARTHQUAKE PREPAREDNESS PROJECT*. Oakland, CA: BAES.

A review of current preparedness planning activities and documents in the Bay Area, plus the results of interviews with local officials throughout the Bay region. Appendices are a second report.

Source: BAREPP, MetroCenter, 101 - 8th Street, Suite 152, Oakland, CA 94607, (415) 540-2713.

24. Bay Area Regional Earthquake Preparedness Project. 1983. *COMPREHENSIVE EARTHQUAKE PREPAREDNESS PLANNING GUIDELINES: CITY*. Oakland, CA: BAREPP.

Guidelines to assist city governments in developing a comprehensive plan. Designed to be used by City Council, City Administrative Officer, city departments and agencies and appointed commissions. Four time phases are addressed and specific functions are identified.

Source: BAREPP, MetroCenter, 101 - 8th Street, Suite 152, Oakland, CA 94607, (415) 540- 2713.

25. Bay Area Regional Earthquake Preparedness Project. 1983. *COMPREHENSIVE EARTHQUAKE PREPAREDNESS PLANNING GUIDELINES: COUNTY*. Oakland, CA: BAREPP.

Guidelines that provide information on steps to follow in developing a planning approach, the functions a county government must consider in each of four time phases and a set of references.

Source: BAREPP, MetroCenter, 101 - 8th Street, Suite 152, Oakland, CA 94607, (415) 540-2713.

26. Brown, Robert D., Jr., and William J. Kockelman. 1985. *GEOLOGY FOR DECISIONMAKERS: PROTECTING LIFE, PROPERTY, AND RESOURCES*. *Public Affairs Report*, Vol. 26, February 1985, No. 1. Berkeley, CA: Institute of Governmental Studies, University of California, Berkeley.

A brief and to the point explanation of the geologic properties and potential hazards in the San Francisco Bay Region. Various strategies on all governmental levels (state, county, city) are given as examples of existing practices, together with concluding suggestions for strategy implementation and some practical guidelines for decisionmaking involving risk control. This is a condensed version of the larger paper *Geologic Principles for Prudent Land Use: A Decisionmaker's Guide for the San Francisco Bay Region* (See this Bibliography, entry 135).

Source: Institute of Governmental Studies, 119 Moses Hall, University of California, Berkeley, CA 94720, (415) 642-6722.

27. Building Seismic Safety Council. 1985. *SOCIETAL IMPLICATIONS: A COMMUNITY HANDBOOK*. Earthquake Hazards Reduction Series 13. Washington, D.C.: Federal Emergency Management Agency.

This handbook provides a synthesis of what is known about the most significant societal implications of adopting new or improved seismic regulations for new buildings. It was prepared by the Building Seismic Safety Council (BSSC) for the Federal Emergency Management Agency, and is intended for voluntary use by interested parties in the nonfederal sector. An accompanying volume of selected readings provides a sampling of more detailed information (See entry 28).

Source: FEMA, P. O. Box 8181, Washington, D.C. 20024

28. Building Seismic Safety Council. 1985. *SOCIETAL IMPLICATIONS: SELECTED READINGS*. Earthquake Hazards Reduction Series 14. Washington, D.C.: Federal Emergency Management Agency.

This is a volume that accompanies *A Community Handbook* (see entry 27)

in this *Bibliography*). It is a selection of readings that have been developed to provide participants in the building process at the local, state, and regional levels with the information they need to adequately address the potential effects on their communities of using new or improved seismic safety design provisions in the development of regulations for new buildings.

Source: FEMA, P. O. Box 8181, Washington, D.C. 20024.

29. California Seismic Safety Commission. 1985. *EARTHQUAKE SAFETY: POTENTIALLY HAZARDOUS BUILDINGS*. Report No. SSC 85-04. Sacramento, CA: CSSC.

A report on potentially hazardous buildings prepared by the Committee on Hazardous Buildings of the California Seismic Safety Commission. The findings and conclusions presented here rely primarily on evidence on the performance in earthquakes of both damaged and underdamaged structures, as well as on engineering judgment based on current state-of-the-art design practice.

Source: CSSC, 1900 K Street, Suite 100, Sacramento, CA 95814, (916) 322-4917.

30. California Seismic Safety Commission. 1985. *REHABILITATING HAZARDOUS MASONRY BUILDINGS: A DRAFT MODEL ORDINANCE*. Report No. SSC 85-06. Sacramento, CA: CSSC.

This model ordinance has been issued by the California Seismic safety Commission in order to help the cities and counties in the state of California to identify and reinforce hazardous buildings. This work is based on an ordinance passed in 1981 by the City of Los Angeles.

Source: CSSC, 1900 K Street, Suite 100, Sacramento, CA 95814, (916) 322-4917.

31. California Seismic Safety Commission. 1982. *EARTHQUAKE HAZARDS MANAGEMENT - AN ACTION PLAN FOR CALIFORNIA*. Sacramento, CA: CSSC

A report that outlines measures designed to deal with earthquake hazard in a more comprehensive way. These proposals emphasize the critical role of State government in earthquake safety and include new initiatives, refinements for existing programs and topics that need further study to guide the formulation of appropriate policies.

Source: CSSC, 1900 K Street, Suite 100, Sacramento, CA 95814-4186, (916) 322-4917.

32. Earle, M. Mark, Thomas W. Fletcher, Ernest C. Harvey and Charles K. Shafer. 1980. *MULTIJURISDICTIONAL RESPONSES TO URBAN AND REGIONAL DISASTERS*. Prepared for Federal Emergency Management Agency, Washington, D.C. 20472. Menlo Park, CA: SRI International.

Presents the results of an assessment of the multijurisdictional issues needing resolution after the immediate needs of an urban population affected by a major disaster have been met. An 8.3 earthquake affecting San Francisco is used as a scenario.

Source: SRI International, 333 Ravenswood Ave., Menlo Park, CA 94025, (415) 326-6200.

33. Federal Emergency Management Agency. 1984. *NATIONAL EARTHQUAKE HAZARDS REDUCTION PROGRAM - Five Year Plan (1985-1989)*. Washington, D.C.: FEMA

FEMA's five year National Earthquake Hazards Reduction Program, addressing five major topics: hazard assessment, earthquake prediction, seismic design, preparedness planning and fundamental seismological studies. Budget summary for five fiscal years appended.

Source: FEMA, P.O. Box 8181, Washington D.C., 20024.

34. Federal Emergency Management Agency. 1980. *AN ASSESSMENT OF THE CONSEQUENCES AND PREPARATIONS FOR A CATASTROPHIC CALIFORNIA EARTHQUAKE: FINDINGS & ACTIONS TAKEN*. Washington, D.C.: FEMA.

This review provided the overall assessment that the Nation is essentially unprepared for the expected catastrophic earthquake. Because of the large concentration of population and industry, impact of such an earthquake would surpass those of any natural disaster thus far experienced by the Nation. This is a seminal reference document, including scenarios, assessment of losses, assessment of current state of readiness capability and assessment of social impacts.

Source: FEMA, P. O. Box 8181, Washington, D.C. 20024.

35. Gori, Paula L. (Ed.) 1984. *PRIMER ON IMPROVING THE STATE OF EARTHQUAKE HAZARDS MITIGATION AND PREPAREDNESS*. Open File Report 84-772. Reston, VA: U.S. Geological Survey.

A set of papers selected from 12 USGS workshops held over the past several years to improve the state of earthquake preparedness. Topics include earthquake hazard preparedness (gaining attention and

commitment); land use planning and regulation; earthquake-resistant design; transfer of scientific and technical information; and seismic safety organizations.

Source: USGS, 905 National Center, Reston, VA 22092 (limited copies).

36. Margerum, Terry. 1980. *WE'RE NOT READY FOR THE BIG QUAKE, WHAT LOCAL GOVERNMENTS CAN DO*. Oakland, CA: ABAG.

A good introduction to the importance of planning for a major earthquake. Discusses what to expect after a major event, what's being done at the state and local level, why more isn't being done and specific actions that local governments can undertake.

Source: ABAG, MetroCenter, P.O. Box 2050, Oakland, CA 94604, (415) 464-7900.

37. Morentz, James W., Hugh C. Russell and Judith A. Kelly. 1984. *EXERCISE SOURCEBOOK-ORIENTATION AND TABLETOP EXERCISES*. Rockville, MD: Research Alternatives.

Three types of exercises (orientation, discussion and tabletop) discussed in this manual. Presents information on preparing for an exercise (including writing scenarios or problems), facilities and staff required, conducting the exercise and critiquing it.

Source: Research Alternatives, Suite 31b, 966 Hungerford Dr., Rockville, MD 20850, (301) 424-2803.

38. Morentz, James W., Hugh C. Russell & Judith A. Kelly. 1982. *PRACTICAL MITIGATION - STRATEGIES FOR MANAGING DISASTER PREVENTION AND REDUCTION*. Rockville, MD: Research Alternatives.

Focuses on tools and techniques for mitigation used at 81 sites. The lessons learned from each site are highlighted in boxes. Discusses the complete range of disasters (natural, man-made, attack).

Source: Research Alternatives, Suite 31b, 966 Hungerford Dr., Rockville, MD 20850, (301) 424-2803.

39. The National Research Council. 1980. *DISASTERS AND THE MASS MEDIA: PROCEEDINGS OF THE COMMITTEE ON DISASTERS AND THE MASS MEDIA WORKSHOP, FEBRUARY 1979*. Washington, D.C.: National Academy of Sciences.

A collection of papers presented at a 1979 workshop covering the following major topics: state of the art in disaster reporting; international perspectives; national and local perspectives; disaster warning and disaster

relief and the mass media; positives and negatives in media disaster reporting and research needs and applications.

Source: Office of Publications, National Academy of Sciences, 2101 Constitution Ave., N.W., Washington, D.C. 20418.

40. Palm, Risa. 1981. *REAL ESTATE AGENTS AND SPECIAL STUDIES ZONES DISCLOSURE - THE RESPONSE OF CALIFORNIA HOME BUYERS TO EARTHQUAKE HAZARDS INFORMATION*. Monograph #32. Boulder, CO: Natural Hazards Research and Applications Information Center, The University of Colorado.

A summary of a study of the effect of the Alquist-Priolo act on buyer behavior and housing price trends. Empirical and theoretical literature from economics, communications and social psychology were reviewed. Surveys were conducted in Berkeley and central Contra Costa County. The study's findings reveal the ineffectiveness of the law and make several recommendations for ways of strengthening implementation of the law.

Source: Natural Hazards Research and Applications Information Center, Institute of Behavioral Science #6, University of Colorado, Boulder, CO 80309.

41. Palm, Risa I., et al. 1983. *HOME MORTGAGE LENDERS, REAL PROPERTY APPRAISERS AND EARTHQUAKE HAZARDS*. Monograph #38. Boulder, CO: Institute of Behavioral Science, University of Colorado.

A survey of California and Washington real estate appraisers and mortgage loan officers and the incorporation of earthquake hazards in lending decisions. It indicated that an overwhelming proportion of the smaller lenders in California and most Washington lenders tended to ignore earthquake hazards. Survey corroborated by statistical analysis of loan applications which indicates that location within special studies zone has little or no impact on lending decision in most California counties.

Source: Natural Hazards Research and Applications Information Center, Institute of Behavioral Science #6, University of Colorado, Boulder, CO 80309.

42. Petak, William J. (Ed). 1985. *EMERGENCY MANAGEMENT: A CHALLENGE FOR PUBLIC ADMINISTRATION*. PUBLIC ADMINISTRATION REVIEW. Volume 45, Special Issue.

The entire volume of this PAR is devoted to articles on emergency management, written by a number of different scholars in the field.

Several topics are covered, including recovery, emergency medicine, liability, financing emergency management, and intergovernmental issues.

Source: American Society for Public Administration, 1120 G St., NW, Washington, D.C. 20005.

43. Public Technology, Inc. n.d. *SEISMIC DESIGN FOR POLICE & FIRE STATIONS*. Washington, D.C. & Pasadena, CA: Public Technology, Inc.

A report that reviews problem of seismic safety for public safety departments, critical functional area and their vulnerability, design guidelines and facility cost impacts.

Source: Public Technology, Inc., 1140 Connecticut Ave., N.W., Washington, D.C. 20036.

44. Quarantelli, E. L. 1984. *ORGANIZATIONAL BEHAVIOR IN DISASTERS AND IMPLICATIONS FOR DISASTER PLANNING*. Monograph Series. Washington, D.C.: FEMA/EMI.

A discussion of types of organizations in disasters and what it means in terms of disaster planning.

Source: FEMA, P. O. Box 8181, Washington, D.C. 20024.

45. Quarantelli, E.L. 1983. *A SUMMARY OF RESEARCH OBSERVATIONS RELEVANT TO SHELTERING AND HOUSING IN AMERICAN CIVILIAN DISASTER*. Preliminary Paper #82. Columbus, OH: Disaster Research Center, The Ohio State University.

Five general observations made after a survey of literature and case studies on housing after a disaster are summarized: emergency sheltering, temporary sheltering, temporary housing and permanent housing.

Source: Disaster Research Center, University of Delaware, Newark, Delaware 19716.

46. Rubin, Claire B. 1982. *DISSEMINATING DISASTER-RELATED INFORMATION TO PUBLIC AND PRIVATE USERS*. Working Paper #47. Boulder CO: Natural Hazards Research and Applications Information Center, University of Colorado.

Presents possible approaches to providing scientific knowledge and

technical assistance to public and private institutions. Talks about user needs identification and approaches and means of dissemination.

Source: Natural Hazards Research and Applications Information Center,
Institute of Behavioral Science #6, University of Colorado,
Boulder, CO 80309.

47. San Bernardino County Office of Public Safety. n.d. *A CONCEPT FOR DISASTER PREPAREDNESS*. Rialto, CA: County of San Bernardino, Office of Public Safety.

A fold-out that introduces the self-help concept. A possible model for other communities to consider.

Source: Office of Public Safety, 1776 Miro Way, Rialto, CA 92376.

48. Southern California Earthquake Preparedness Project. 1984. *PREPAREDNESS PLANNING IN EARTHQUAKE COUNTRY: THE PLANNING PROCESS*. Los Angeles, CA: SCEPP.

A pamphlet that introduces the need for planning and the phases in the planning process: hazard identification and risk assessment; development of seismic safety goals and policies; design of potential mitigation and preparedness strategies; program development; and design of plan format and evaluation.

Source: American Red Cross, Los Angeles Chapter, Southern California Division, 2700 Wilshire Blvd., Los Angeles, CA 90057,
(213) 739-5200.

49. Southern California Earthquake Preparedness Project. 1983. *EARTHQUAKE PUBLIC INFORMATION AND EDUCATION PROGRAM DESIGN*. Los Angeles, CA: SCEPP.

A SCEPP report that inventories available public information materials, evaluates the quality of that material, evaluates alternative methods of dissemination and determines outreach needs and develops a program design.

Source: American Red Cross, Los Angeles, Chapter, Southern California Division, 2700 Wilshire Blvd., Los Angeles, CA 90057,
(213) 739-5200.

50. Southern California Earthquake Preparedness Project. 1983. *EARTHQUAKE PREPAREDNESS INFORMATION FOR PEOPLE WITH DISABILITIES*. Los Angeles, CA: SCEPP.

A SCEPP report on earthquake preparedness planning primarily for people with impaired mobility, hearing and vision. Implications of the hazard for people with other special needs addressed. Planning guidelines and information necessary for local governments and organizations that work with people with disabilities.

Source: American Red Cross, Los Angeles Chapter, Southern California Division, 2700 Wilshire Blvd., Los Angeles, CA 90057, (213) 739-5200.

51. Scott, Stanley. 1979. *POLICIES FOR SEISMIC SAFETY: ELEMENTS OF A STATE GOVERNMENTAL PROGRAM*. Berkeley, CA: Institute of Governmental Studies, University of California.

A report distilling the principal results of California's experience in seismic safety, through 1978. Discusses governmental responsibilities, the design and construction of buildings, critical facilities, planning, development and land-use control, and emergency preparedness and recovery. Discusses important California law (for schools, hospitals, structures in hazardous fault zones) and other programs such as seismic safety elements, dam safety programs, inundation mapping, evacuation planning and freeway retrofitting.

Source: Institute of Governmental Studies, University of California, Berkeley, CA 94705, (415) 642-6722.

52. Scott, Stanley. 1979. *WHAT DECISIONMAKERS NEED TO KNOW: POLICY AND SOCIAL SCIENCE RESEARCH ON SEISMIC SAFETY*. Berkeley, CA: Institute of Governmental Studies, University of California.

A report based on a meeting of the EERI Committee on Social Science and Public Policy Research. Nine speakers' papers are included, representing a range of backgrounds - geology, engineering, architectural, urban planning, public policy and the social sciences. Each speaker gave his view regarding priority topic areas for further public policy research.

Source: Institute of Governmental Studies, University of California, Berkeley, CA 94705, (415) 642-6722.

53. Wyner, Alan J. and Dean E. Mann. 1983. *SEISMIC SAFETY POLICY IN CALIFORNIA: LOCAL GOVERNMENTS AND EARTHQUAKES*. Santa Barbara, CA: Department of Political Science, University of California, Santa Barbara.

A report summarizing how thirteen California jurisdictions plan and implement seismic safety policies. The data was collected from 1977 to 1980. Seismic safety elements, insurance, land use planning and building codes were all examined. A variation was found in community response, although generally seismic safety did not receive a high priority.

Source: Department of Political Science, University of California,
Santa Barbara, CA.

III. EARTHQUAKE PREPAREDNESS: BUSINESS & INDUSTRY

54. Bay Area Regional Earthquake Preparedness Project. 1983. *COMPREHENSIVE EARTHQUAKE PREPAREDNESS PLANNING GUIDELINES: CORPORATE*. Oakland, CA: BAREPP.

Guidelines to assist companies in the development of a comprehensive plan to ensure an effective response to a catastrophic earthquake. Designed to be used by corporate management, corporate security and emergency planning staffs, line division and department managers. Discusses emergency response, corporate recovery and earthquake preparedness.

Source: BAREPP, MetroCenter, 101 - 8th Street, Suite 152, Oakland, CA 94607, (415) 540-2713.

55. Michael E. Durkin and Associates. 1985. *EARTHQUAKE PREPAREDNESS: A KEY TO SMALL BUSINESS SURVIVAL*. Los Angeles, CA: Southern California Earthquake Preparedness Project.

A brochure prepared to accompany the SCEPP sponsored seminar "Earthquake Preparedness: A Key to Small Business Survival". It identifies vulnerability of small businesses to earthquake hazard and discusses briefly four major topical areas: reducing building hazard, minimizing potential for non-structural damage, employee preparedness and ensuring business recovery.

Source: American Red Cross, Los Angeles Chapter, Southern California Division, 2700 Wilshire Blvd., Los Angeles, CA 90057, (213) 739-5200.

56. Earthquake Engineering Research Institute. 1983. *EARTHQUAKE DAMAGE MITIGATION FOR COMPUTER SYSTEMS*. Workshop Proceedings July 12, 1983. El Cerrito, CA: EERI.

One volume proceedings of a workshop held in July, 1983. It contains a number of contributions relevant to the mitigation of earthquake damage to computer facilities, including structural engineering considerations and isolation systems for computer floors.

Source: EERI, 6431 Fairmount Ave., El Cerrito, CA 94530, (415) 525-3668.

57. EQE, Inc. 1985. *THE EQE EARTHQUAKE RISK-REDUCTION PROGRAM: HOW TO MANAGE YOUR CORPORATE EARTHQUAKE RISK*. San Francisco, CA: EQE, Incorporated.

A booklet to help decision-makers identify and quantify a company's seismic risk and management objectives. Surveys earthquake hazard in California and potential risks facing various types of structures and equipment. The chapter on earthquake risk reduction deals with three phases: risk survey and corporate strategy, risk analysis and facility planning and selection/implementation of risk reduction program.

Source: EQE, Inc., 121 Second Street, San Francisco, CA 94105.

58. Federal Emergency Management Agency. 1978. *DISASTER PLANNING GUIDE FOR BUSINESS & INDUSTRY*. Washington, D.C.: FEMA.

Business and industry guidelines for natural and man-made disaster procedures by industrial plant management and employees. Chapter on protecting vital records.

Source: FEMA, P. O. Box 8181, Washington, D.C. 20024.

59. McCann, John P. 1985. *HOW TO PREPARE FOR AN EARTHQUAKE. A GUIDE FOR BUSINESSES*. San Francisco: Insurance Information Institute.

This earthquake survival guide was prepared to assist management, emergency planners, risk managers and others at banks, insurance companies, savings and loans, credit unions and other financial services companies to evaluate or develop emergency preparedness plans. The guide asks questions designed to stimulate thought. It is not intended to be a substitute for the professional advice that companies might require for a comprehensive preparedness plan.

It deals with all financial institutions and is applicable to the whole of the United States.

Source: Insurance Information Institute, 400 Montgomery Street, San Francisco, CA 94104, (415) 392-3185.

60. Red Cross Disaster Resource Center. 1986. *SAN FRANCISCO CORPORATE DISASTER PLANNING GUIDE*. 2nd Edition. San Francisco, CA: American Red Cross, Golden Gate Chapter.

A comprehensive guide designed to assist executives in developing corporate disaster plans. Especially helpful standards for disaster plans

and suggested plan structure. A prototype of a business/industry emergency site disaster plan is enclosed. A three-ring binder guide is supplemented by several resource lists.

Source: American Red Cross, Golden Gate Chapter, 1550 Sutter Street,
San Francisco, CA 94109, (415) 776-1500.

61. San Mateo County Area Disaster Office. n.d. *HANDBOOK ON DISASTER PLANNING FOR BUSINESS & INDUSTRY*. San Mateo, CA: San Mateo Area Disaster Office (ADO).

A disaster planning manual for business and industry in San Mateo County. Outlines planning needs and procedures for the worst-case earthquake. Elements of a comprehensive emergency program and plan structure are suggested and itemized. Attachment section includes planning questionnaire, facilities inspection and emergency supplies checklists.

Source: San Mateo County ADO, County Government Center, Redwood City, CA 94063, (415) 363-4000.

62. Scientific Service, Inc. 1984. *EMERGENCY PREPAREDNESS MANUAL*. Redwood City, CA: SSI.

A manual developed for use in the Scientific Service, Inc. workshops and training seminars on vulnerability analysis, hazard assessment and preparedness measures. It deals with the threat of major disaster agents in the U.S. (e.g., earthquake, flood, fire), and for each identifies potential problems and suggests appropriate counter measures.

Source: SSI, 35 Arch Street, Redwood City, CA 94062, (415) 368-2931.

63. Southern California Earthquake Preparedness Project. 1982. *GUIDELINES FOR LOCAL SMALL BUSINESSES IN MEETING THE EARTHQUAKE THREAT*. Los Angeles, CA: SCEPP.

A guide to earthquake preparedness for small businesses. Discusses the risks from damaging earthquakes and proposes methods for preparedness planning. Also covers small businesses response measures for long- and short-term official earthquake prediction, and the recovery process during the first month.

Source: American Red Cross, Los Angeles Chapter, Southern California Division, 2700 Wilshire Blvd., Los Angeles, CA 90057,
(213) 739-5200.

64. Steinbrugge, Karl V. 1982. *SCENARIOS FOR EARTHQUAKE RELATED PROBLEMS AT COMPUTER INSTALLATIONS USED BY FINANCIAL INSTITUTIONS*. Sacramento, CA: California Seismic Safety Commission.

A report presenting scenarios for earthquake response planning which are intended to mitigate adverse seismic effects to computer installations used by banking, savings and loan, insurance and other financial institutions in California. It recommends that financial institutions review their exposure to earthquake risk with respect to overall vulnerability of their computer facilities.

Source: CSSC, 1900 K Street Suite 100, Sacramento, CA 95814,
(916) 322-4917.

65. Task Force on Emergency Preparedness. 1983. *GUIDELINE FOR AN EMERGENCY PREPAREDNESS PROGRAM*. San Francisco, CA: California Bankers Association.

A guide for natural disaster preparedness for the banking industry. It deals with rationales for planning program structure and protection of personnel. Special attention devoted to procedures individual banks will have to attend to, such as succession of management and maintenance of vital records. Latter portion of the guide focuses on recovery operations and includes a checklist for protection of computer installations.

Source: California Bankers Association, 650 California Street, Suite 1001,
San Francisco, CA 94108.

IV. EARTHQUAKE PREPAREDNESS: HOME, WORKPLACE AND NEIGHBORHOOD

66. Alameda County Health Care Services Agency. n.d. *EARTHQUAKE COUNTRY: A HOUSEHOLD GUIDE TO EARTHQUAKE SAFETY*. Alameda and Contra Costa Counties. Oakland, CA: Alameda County Office of Emergency Services.

This 17 page pamphlet describes actions that a family can take to prepare for an earthquake including home inspection, structural strengthening of the home, plus advance planning for appropriate response during an earthquake. Also included is a community resource guide for local first aid and CPR courses and general information. The staging areas for an area-wide disaster are also designated.

Source: Affirmative Action Officer, Alameda County Health Care Services Agency, 499 - 5th Street, Oakland, CA 94607, (415) 874-7636.

67. American Red Cross. 1985. *DISASTER PREPAREDNESS FOR DISABLED AND ELDERLY PEOPLE*. Los Angeles: American Red Cross, Los Angeles Chapter.

A booklet addressing disabled people in various disaster situations, including earthquakes. General recommendations for preparedness measures to undertake. Individual sections devoted to special problems that people with impaired mobility, hearing or vision, or the elderly might encounter before, during and after a disaster.

Source: American Red Cross, Golden Gate Chapter, 1550 Sutter Street, San Francisco, CA 94109, (415) 776-1500.

68. American Red Cross. 1984. *EMPLOYEE EARTHQUAKE PREPAREDNESS FOR THE WORKPLACE AND HOME*. San Francisco, CA: American Red Cross, Golden Gate Chapter.

Before, during and after the quake actions and behavior for workplace and home. Tips for storing food and water; supply lists for home emergency needs and basic first aid. Check lists included. Concise descriptions. Also includes publications list.

Source: American Red Cross, 1550 Sutter Street, San Francisco, CA 94109, (415) 776-1500.

69. American Red Cross. 1984. *SAFETY AND SURVIVAL IN AN EARTHQUAKE*. Los Angeles, CA: Los Angeles Chapter, American Red Cross.

Information on how to prepare for an earthquake; develop family disaster

plans, stockpile. Includes storage tips, sample menus, and first aid. After earthquake checklists, and home preparedness information. Very readable, easy to use.

Source: American Red Cross, 1550 Sutter Street, San Francisco, CA 94109, (415) 776-1500.

70. American Red Cross. 1982. *EARTHQUAKE*. Northern California/Western Nevada Division. San Francisco, CA: American Red Cross.

One sheet hand-out with concise information on family preparedness, emergency kits, do's and don'ts during an earthquake. A list of most common causes of injury in an earthquake.

Source: American Red Cross, 1550 Sutter Street, San Francisco, CA 94109, (415) 776-1500.

71. American Red Cross. n.d. *FAMILY DISASTER PLAN AND PERSONAL SURVIVAL GUIDE*. San Bernardino, CA: San Bernardino County Chapter.

A concise brochure that takes a user through the development of a family disaster plan. Includes section on preparation, actions to take during an earthquake and after a disaster, and a list of home emergency supplies.

Source: San Bernardino County Chapter, 1524 North "E" Street, San Bernardino, CA 92402, (714) 888-1481.

72. American Red Cross. n.d. *HOME PREPAREDNESS DISASTER SURVIVAL GUIDE*. Santa Ana, CA: Orange County Chapter.

A general disaster preparedness brochure. Major emphasis on fire and earthquake planning and training. A major section on supplies and first aids. Includes a home safety checklist, and a list of community resources available to assist in planning.

Source: American Red Cross, 1550 Sutter Street, San Francisco, CA 94109, (415) 776-1500.

73. American Red Cross. n.d. *SAFETY AND SURVIVAL IN AN EARTHQUAKE*. The American National Red Cross and the Sonoma County Office of Emergency Services.

A fold-out on key tips for checking one's home for earthquake resistance before the quake, behavior during an event and what actions to undertake afterwards.

Source: American Red Cross, 1550 Sutter Street, San Francisco, CA 94109, (415) 776-1500.

74. Area Disaster Council. n.d. *THE FAMILY EARTHQUAKE PLAN*. San Mateo, CA: San Mateo Area Disaster Office.

A fold-out on how to prepare one's family for earthquake hazard. During and after behavior tips included. An identical fold-out used by City and County of San Francisco.

Source: San Mateo Area OES, 401 Marshall Street, Redwood City, CA 94063, (415) 363-4790.

75. Bay Area Regional Earthquake Preparedness Project. 1985. *MARKETING EARTHQUAKE PREPAREDNESS-COMMUNITY CAMPAIGNS THAT GET RESULTS*. Oakland, CA: BAREPP.

This report describes a marketing approach to earthquake preparedness - why such an approach is appropriate, what potential barriers exist, what factors contribute to success. It argues for a cooperative venture between the private business community and local government, and describes the steps in a successful community campaign. A summary guide to the document is also available.

Source: BAREPP, MetroCenter, 101 - 8th Street, Suite 152, Oakland, CA 94607, (415) 540-2713.

76. California Earthquake Education Project. 1985. *EARTHQUAKE PLANNER*. Berkeley, CA: CALEEP, Lawrence Hall of Science, University of California.

A one page flyer on heavy stock paper. Information clearly devised into before, during and after earthquake activities. Good for posting next to a phone, on office billboard, or closet door.

Source: CALEEP, Lawrence Hall of Science, University of California, Berkeley, CA 94720.

77. California Earthquake Education Project. 1984. *THE HAYWARD FAULT AT U.C. BERKELEY: A SELF-GUIDED FIELD TRIP*. Berkeley, CA: CALEEP, Lawrence Hall of Science, University of California.

A two-page handout for Berkeley residents. Great for getting acquainted with your everyday environment from a new perspective. A simple explanation of the Hayward fault's major features.

Source: CALEEP, Lawrence Hall of Science, University of California, Berkeley, CA 94720.

78. City and County of San Francisco Office of Emergency Services. n.d. *THE FAMILY EARTHQUAKE PLAN*. San Francisco, CA: Office of Emergency Services.

Identical fold-out to the one used by the Area Disaster Council (item 62), explaining how to prepare one's family for an earthquake and what to do immediately after an event. Tips on purifying water included.

Source: San Francisco OES, 1111 Market Street, 2nd Floor, San Francisco, CA 94103, (415) 558-2984.

79. Department of Building and Safety, City of Los Angeles. n.d. *EARTHQUAKES - SAFETY AND SURVIVAL*. Los Angeles, CA: Department of Building and Safety.

A fold-out on earthquake dangers and preparedness activities. Illustrated with photographs of the 1971 San Fernando earthquake damage.

Source: Department of Building Safety, Conservation Bureau, Earthquake Safety Division, Room 960, City Hall, Los Angeles, CA 90012-4869.

80. EQE, Inc. 1985. *THE EQE EARTHQUAKE HOME PREPAREDNESS GUIDE*. San Francisco, CA: EQE, Incorporated.

A booklet on the earthquake threat in California, home safety and preparedness planning. Valuable for its six "projects everyone should do" giving step-by-step procedures to strengthen one's house. Clearly laid-out and well-illustrated.

Source: EQE, Inc., 121 Second Street, San Francisco, CA 94105, (415) 495-5500.

81. Federal Emergency Management Agency. 1985. *LEARNING TO LIVE IN EARTHQUAKE COUNTRY - PREPAREDNESS FOR PEOPLE WITH DISABILITIES*. Washington, D.C.: FEMA.

A brochure dealing with earthquake preparedness measures, and appropriate behavior during and after an earthquake event. General information, with special emphasis on people with impaired mobility and vision. Tips on securing heavy furniture and water heater. (Can be reproduced by an individual jurisdiction - for example Santa Rosa has published its own copy.)

Source: FEMA, P. O. Box 8181, Washington, D.C. 20024.

82. Federal Emergency Management Agency. 1985. *LEARNING TO LIVE IN EARTHQUAKE COUNTRY - PREPAREDNESS IN APARTMENTS AND MOBILE HOMES*. Washington, D.C.: FEMA.

A SCEPP (Southern California Earthquake Preparedness Project); - developed brochure on earthquake preparedness issues in apartments and mobile homes environments. Explanation of how to fix supports for a mobile home to resist earthquakes.

Source: FEMA, P. O. Box 8181, Washington, D.C. 20024.

83. Federal Emergency Management Agency. 1985. *PREPAREDNESS IN HIGH-RISE BUILDINGS*. Washington, D.C. FEMA.

General activities for before, during and after an earthquake. Special problems posed by tall buildings.

Source: FEMA, P. O. Box 8181, Washington, D.C. 20024.

84. Federal Emergency Management Agency. 1983. *COPING WITH CHILDREN'S REACTIONS TO EARTHQUAKES AND OTHER DISASTERS*. Pamphlet #48. Washington, D.C.: FEMA.

A pamphlet originally developed by the San Fernando Valley Child Guidance Clinic after the 1971 San Fernando Earthquake. Written for parents and other care providers to help them understand how a child might react to a major natural disaster.

Source: FEMA, P. O. Box 8181, Washington, D.C. 20024.

85. Federal Emergency Management Agency. 1983. *EARTHQUAKE SAFETY CHECKLIST*. Pamphlet #46. Washington, D.C.: FEMA.

Several checklists are included in this brochure: everyday stockpiles, home preparedness activities, what to do during an earthquake and what hazards to look for afterwards.

Source: FEMA, P. O. Box 8181, Washington, D.C. 20024.

86. Federal Emergency Management Agency. 1983. *FAMILY EARTHQUAKE DRILL*. Pamphlet #47. Washington, D.C.: FEMA.

A brochure of family preparedness activities, including identification of safe and dangerous spots in a home. Includes a recommendation for how to do family earthquake drills.

Source: FEMA, P. O. Box 8181, Washington, D.C. 20024.

87. Federal Emergency Management Agency. 1983. *HOME HAZARD HUNT*. Pamphlet #49. Washington, D.C.: FEMA.

A booklet to help you examine your home for non-structural weak spots and suggests tips to prevent damage from occurring in an earthquake. Should be used in conjunction with the previous entry

Source: FEMA, P. O. Box 8181, Washington, D.C. 20024.

88. Federal Emergency Management Agency. 1983. *IN TIME OF EMERGENCY - A CITIZEN'S HANDBOOK*. Washington, D.C.: FEMA.

A handbook on the major natural and technical hazards likely to occur in the U.S. General guidelines followed by explanations of individual disasters, earthquakes included.

Source: FEMA, P. O. Box 8181, Washington, D.C. 20024.

89. Federal Emergency Management Agency. 1980. *EARTHQUAKES - SAFETY TIPS FOR EARTHQUAKES*. Washington, D.C.: FEMA

A fold-out of safety tips for earthquakes - before, during and after. Seismic risk map of the U.S. is included.

Source: FEMA, P. O. Box 8181, Washington, D.C. 20024.

90. Health Plus. n.d. *GETTING READY FOR THE BIG ONE*. San Francisco, CA: Health Plus.

A 45-page booklet on family earthquake preparedness, disaster planning, behavior during shaking, and what to do afterwards. Appendix includes disaster drill record, and sample evacuation plan.

Source: Health Plus, 2966 Diamond Street, Suite 434, San Francisco, CA 94131, (415) 585-2221.

91. Lafferty, Libby. 1984. *EARTHQUAKE PREPAREDNESS - A HANDBOOK FOR HOME, FAMILY & COMMUNITY*. La Canada, CA: Lafferty & Associates, Inc.

A "how-to-do-it" earthquake preparedness handbook. Emergency stockpile lists, family earthquake preparedness planning, securing furniture and appliances.

Source: Lafferty & Associates, Inc., P. O. Box 1026, La Canada, CA 91011, (818) 952-5483.

92. Kockelman, William J. 1984. *REDUCING LOSSES FROM EARTHQUAKES THROUGH PERSONAL PREPAREDNESS*. Open-File Report 84-765. Menlo Park, CA: United States Department of the Interior, Geological Survey.

Discusses actions that can be taken in each of the following phases: pre-event mitigation; preparedness; response; recovery and reconstruction. Personal preparedness includes inspecting and strengthening the home; organizing the neighborhood and securing nonstructural objects. A useful reference document.

Source: Open File Services Center, USGS, P. O. Box 25425, Federal Center, Denver, CO 80225.

93. Office of Emergency Services. n.d. *EARTHQUAKES CALIFORNIA STYLE*. Sacramento, CA: State of California OES.

A concise fold-out discussing how to prepare for an earthquake, what to do during the shaking and the most appropriate actions to take after the earthquake.

Source: Office of Emergency Services, P. O. Box 9577, Sacramento, CA 95823.

94. Pacific Telephone. 1983. *SURVIVAL - EARTHQUAKE PREPAREDNESS*. Pacific Telephone.

An earthquake preparedness booklet for Pacific Telephone employees. Home and office preparedness planning. Stockpile lists.

Source: Pacific Bell, Safety Department, Room 710, 1 Montgomery Street, West Tower, San Francisco, CA 94104, (415) 774-7027.

95. The Pacific Telephone & Telegraph Co. n.d. *SURVIVAL GUIDE: WHAT TO DO IN AN EMERGENCY UNTIL MEDICAL HELP IS AVAILABLE*. San Francisco, CA: Pacific Telephone.

This is a reproduction of the survival guide in the front of all phone books. Includes tips for behavior during and after earthquakes. Available in English and Spanish.

Source: Pacific Bell, Attn: Jill Kamahale, 116 New Montgomery Street, Room 305, San Francisco, CA 94105.

96. Rand, William E. 1982. *EARTHQUAKE*. Gualala, CA: The North Coast Institute.

A brochure that includes a discussion of tips for personal safety during

and after an earthquake. A layperson's introduction to the origin of earthquakes included.

Source: The North West Institute, P. O. Box 253, Gualala, CA 95445.

97. Scientific Service, Inc. 1982. Emergency Planning Fact Sheet. *EARTHQUAKES*. Redwood City, CA: Scientific Service, Inc.

A one sheet flyer containing information on the U.S. seismic hazard zones, a list of historic U.S. earthquakes, how to behave during earthquake shaking and how to respond afterwards. Sections devoted to earthquake myths, and possible hazardous buildings.

Source: SSI, 35 Arch Street, Redwood City, CA 94062, (415) 368-2931.

98. Sonoma County Office of Emergency Services. n.d. *EARTHQUAKE HOME & FAMILY EMERGENCY PREPAREDNESS PLAN*. Santa Rosa, CA: Sonoma County OES.

An easy to flip through brochure containing essential information about preparedness planning before an earthquake and actions during and after a seismic event. Tips on how to secure one's home to better resist earthquake shaking, and how to switch off utilities and prevent secondary damage.

Source: Sonoma County Office of Emergency Services, 600 Administration Drive, Room 103C, Santa Rosa, CA 95401, (707) 527-2361.

99. Sonoma County Office of Emergency Services. n.d. *WHEN AN EARTHQUAKE STRIKES - A CHECKLIST*. Santa Rosa, CA: Sonoma County OES.

A one page flyer -- a checklist of what to do when an earthquake strikes. Handy to post in a home or office.

Source: Sonoma County OES, 600 Administration Drive, Room 103C, Santa Rosa, CA 95401, (707) 527-2361.

100. Southern California Earthquake Preparedness Project. 1983. *NEIGHBORHOOD SELF-HELP PROGRAM PLANNING GUIDE*. Los Angeles, CA: SCEPP.

A report to help local jurisdictions and private sector develop earthquake preparedness programs at the neighborhood level. A neighborhood plan guide with self-help preparedness activities for families and neighborhood before, during and after an earthquake is included.

Source: American Red Cross, Los Angeles Chapter, Southern California Division, 2700 Wilshire Blvd., CA 90057, (213) 739-5200.

101. *Sunset* Special Report. "Getting Ready for a Big Quake". SUNSET March 1982, pp. 104-111.

An important article, first printed in 1982 and now available as a special report, that documents what homeowners can do to prepare their homes for a major earthquake. Written clearly with photographs and illustrations, it has twenty suggestions for household safety as well as ideas for more ambitious safeguards such as bracing cripple walls and bolting the foundation.

Source: Sunset Books, Lane Publishing Co., Menlo Park, CA 94025.

102. University of California, Berkeley. 1976. *PLAN YOUR EARTHQUAKE, OR HOW TO REDUCE SEISMIC HAZARDS*. Berkeley, CA: U.C. Berkeley.

An early U.C. Berkeley brochure on reduction of earthquake hazards in California. General actions for before, during and after an earthquake. University of California earthquake policy explained.

Source: UC Office of Environmental Health and Safety, UC Extension Building, 4th Floor, 2223 Fulton Street, Berkeley, CA 94720, (415) 642-3073.

103. Vacar, Tom. 1983. *EARTHQUAKES: A HANDBOOK FOR SURVIVAL*. Channel 7 News. Home Savings of America. San Francisco, CA: American Red Cross.

An earthquake preparedness brochure for San Francisco Bay Area residents. Essential before, during and after earthquake information. Includes a listing of the primary radio and television stations that will provide emergency information in the Bay Area.

Source: Channel 7, Earthquake Box 7, San Francisco, CA 94101 (free of charge with SASE).

V. SCHOOL SAFETY PLANNING

104. Bulman, Robert E. N.D. *THE COALINGA EARTHQUAKE - MONDAY, MAY 2, 1983. A REPORT ON SCHOOLS*. San Bernardino, CA: San Bernardino County Superintendent of Schools.

This is a report on the state of schools in the city of Coalinga following the May 2, 1983 earthquake. It covers damage assessment, damage, disaster preparedness, recovery and psychological effects. In the recommendations section the report advises on the necessity of earthquake non-structural mitigation measures and disaster preparedness and evacuation planning. A brief earthquake preparedness checklist for the school officials concludes the report.

Source: BAREPP, MetroCenter, 101 - 8th Street, Suite. 152, Oakland, CA 94607, (415) 540-2713.

105. Federal Emergency Management Agency. 1985. *GUIDEBOOK FOR DEVELOPING A SCHOOL EARTHQUAKE SAFETY PROGRAM*. Washington, D.C.: FEMA

A comprehensive guidebook designed to assist the school community of principals, teachers, staff, parents and students develop and tailor an earthquake safety program for their school. Contains steps in the planning process, hazard assessment, earthquake drills, immediate response and care requirements, communication, shelter planning and appendices with informational materials.

Source: FEMA, P. O. Box 8181, Washington, D.C. 20024.

106. Groot, Irene. 1984. *SCHOOL EARTHQUAKE HANDBOOK*. San Jose, CA: Irene Groot.

A guidebook developed for school administrators to help them prepare a school safety plan. Pulls material from many sources, includes checklists and steps to be followed. Loose-leaf format so a user can add materials.

Source: Irene Groot, P. O. Box 20093, San Jose, CA 95160.

107. National Association for Search and Rescue. 1980. *EMERGENCY SCHOOL PLAN*. (A model). La Jolla, CA: National Association for Search and Rescue.

A suggested emergency plan for school districts or individual schools.

Breaks out tasks by function. Addresses range of natural and man-made disasters.

Source: National Association for Search & Rescue, P. O. Box 2123,
La Jolla, CA 92038.

108. Office of Emergency Services & California Earthquake Education Project. *ELEMENTARY SCHOOL PREPAREDNESS KIT*. Sacramento, CA: OES.

A kit prepared for the 1985 Earthquake Preparedness Week. Contains suggested activities for schools, a sample newsletter article, brochures, a leaflet on Red Cross programs and a resource list.

Source: Office of Emergency Services, P. O. Box 9577, Sacramento, CA
95823.

109. Southern California Earthquake Preparedness Project. 1982. *GUIDELINES FOR SCHOOL EARTHQUAKE SAFETY PLANNING*. Los Angeles, CA: SCEPP.

Designed to assist schools to begin planning for a damaging earthquake. Outlines policies which must be determined to initiate a safety program. Covers communications, hazard assessment, supplies, evacuation and training programs.

Source: American Red Cross, Los Angeles Chapter, Southern California
Division, 2700 Wilshire Blvd., CA 90057, (213) 739-5200.

110. Ventura County Superintendent of Schools. 1984. *EMERGENCY - SCHOOL PERSONNEL MANAGEMENT HANDBOOK*. Ventura County, CA: Office of Ventura County Superintendent of Schools.

A handbook designed as a training aid to be used in conjunction with a slide/tape program. Provides guidelines and direction for school personnel in planning for disasters. Includes earthquakes.

Source: ASTEC/Applied Safety Technology, P. O. Box 14583,
Santa Barbara, CA 93107, (805) 966-1224.

VI. EARTHQUAKE EDUCATION MATERIALS FOR CHILDREN

111. California Earthquake Education Project. 1983. *IMPROVE YOUR EQ. (EARTHQUAKE QUOTIENT)*. Berkeley, Ca: CALEEP, Lawrence Hall of Science, U.C. Berkeley.

A one page fold-out that is a quiz to locate earthquake preparedness supplies. You score yourself, and can revise your score after a month to reflect new preparedness measures undertaken.

Source: CALEEP, Lawrence Hall of Science, University of California, Berkeley, CA 94720, (415) 642-8718.

112. California Earthquake Education Project. 1982. *EARTHQUAKE HAZARDS AROUND THE HOME - A COLORING BOOK*. Berkeley, CA: CALEEP, Lawrence Hall of Science, U.C. Berkeley.

A coloring book of rooms around the house. Earthquake hazards in each room can be identified.

Source: CALEEP, Lawrence Hall of Science, University of California, Berkeley, CA 94720, (415) 642-8718.

113. California Earthquake Education Project. n.d. *CALEEP SAMPLER*. Berkeley, CA: CALEEP, Lawrence Hall of Science, UC Berkeley.

A sampler describing the activities of CALEEP which provides schools and community organizations with training materials useful in teaching about earthquakes and preparing for them. Over 25 involving activities suitable for a wide variety of age groups and interests are available at minimal cost.

Source: CALEEP, Lawrence Hall of Science, University of California, Berkeley, Berkeley, CA, (415) 642-8718.

114. California Earthquake Education Project and the San Francisco Bay Girl Scout Council. 1983. *EARTHQUAKE-READY: LEADER'S GUIDE*. Berkeley, CA: CALEEP, Lawrence Hall of Science, U.C. Berkeley.

A book for use by Girl Scout Leaders in helping Girl Scouts obtain an Earthquake Ready patch. Seven activities are included as well as some informational appendices.

Source: CALEEP, Lawrence Hall of Science, University of California, Berkeley, CA 94720, (415) 642-8718.

115. El Segundo Police Department and El Segundo Rotary Club. n.d. *EARTHQUAKES: WHAT TO DO WHEN THE GROUND SHAKES*. El Segundo, CA.

A pamphlet prepared for children to explain simply what to do in an earthquake. Simple illustrations accompany the basic safety points and there is a list of tips for parents.

Source: El Segundo Police Department, Community Service Section, 348 Main Street, El Segundo, CA 90245.

116. Environmental Volunteers, Inc. *H.E.L.P. (Hands-on Earthquake Learning Package)*. n.d. *INSTRUCTOR'S GUIDE*. Palo Alto, CA: Environmental Volunteers, Inc.

A collection of earthquake preparedness games and drills to be played at school or at home. Simple and inventive ideas to help educators. Checklists, "earthquake vocabulary", reference list.

Source: Environmental Volunteers, 2253 Park Blvd., Palo Alto, CA 94306, (415) 327-6017.

117. Federal Emergency Management Agency. 1984. *TIPS ON SAFETY. EMERGENCY PREPAREDNESS COLORING BOOK #62*. Washington, D.C.: FEMA.

A coloring book for children that introduces basic concepts in emergency preparedness, including storing supplies, taking cover under a table, etc.

Source: FEMA, P. O. Box 8181, Washington, D.C. 20024.

118. Girl Scouts of Santa Clara County. 1984. *THE QUAKE-SAFE PATCH PROGRAM ON EARTHQUAKE AWARENESS AND PREVENTION OF HAZARDS*. Leaders Guide. San Jose, CA: Girl Scouts of Santa Clara County.

A guide for Girl Scout leaders to help their troops earn the Quake-Safe patch. Designed to be completed during one school year.

Source: Santa Clara Girl Scout Council, 1543 Parkmoor Plaza, P. O. Box 28527, San Jose, CA 95159, (408) 287-4170, (415) 968-8396.

119. Hanna-Barbera Productions, Inc. 1984. *YOGI, THE BE-PREPARED BEAR. EARTHQUAKE PREPAREDNESS FOR CHILDREN*. Los Angeles, CA: Hanna-Barbera Productions, Inc.

A comic book format, using Yogi Bear, to introduce children to basic earthquake preparedness concepts.

Source: Office of Emergency Services, 2800 Meadowview Road,
Sacramento, CA 95823, (916) 427-4523.

120. Kiwanis Club of Coalinga. 1984. *SAFETY & SURVIVAL - EARTHQUAKE*. Selma, CA: Selma Enterprise.

A bilingual (English and Spanish) coloring book that deals with events in a major earthquake - from ground shaking to response and recovery. Covers basic preparedness measures.

Source: Selma Enterprise, P. O. Box 100, Selma, CA 93662.

VII. LEGAL LIABILITY

121. Association of Bay Area Governments. 1984. *LIABILITY OF PRIVATE BUSINESSES AND INDUSTRIES FOR EARTHQUAKE HAZARDS AND LOSSES - A GUIDE TO THE LAW, ITS IMPACTS AND SAFETY IMPLICATIONS*. Oakland, CA: ABAG.

An overall guide to a study performed by ABAG on private tort liability which had four major areas of analysis: legal theories of liability; private business and industry's perception of liability and its impact on private sector actions; the value of tort liability in promoting earthquake hazard mitigation; and recommendations based on the findings of the research.

Source: ABAG, MetroCenter, 101 - 8th Street, P. O. Box 2050, Oakland, CA 94604, (415) 464-7900.

122. Association of Bay Area Governments. 1984. *LIABILITY OF PRIVATE BUSINESSES AND INDUSTRIES FOR EARTHQUAKE HAZARDS AND LOSSES - BACKGROUND RESEARCH REPORTS*. Oakland, CA: ABAG.

A guide that summarizes and integrates five background research reports prepared as part of the ABAG project on liability and private businesses. A companion document to the previous entry.

Source: ABAG, MetroCenter, 101 - 8th Street, P. O. Box 2050, Oakland, CA 94604, (415) 464-7900.

123. Evans, John G. 1979. *ATTORNEY'S GUIDE TO EARTHQUAKE LIABILITY*. Oakland, CA: ABAG.

Describes the findings and recommendations of a study of local governments' potential liability for injuries from earthquake-related hazards. Contains a set of recommendations.

Source: ABAG, MetroCenter, 101 - 8th Street, P. O. Box 2050, Oakland, CA 94604, (415) 464-7900.

124. Huffman, James. 1985. *GOVERNMENT LIABILITY AND DISASTER MITIGATION: A COMPARATIVE STUDY*. Portland, OR: Lewis and Clark Law School, Project on Government Liability.

A massive comparative study examining the relationship between government liability law and disaster mitigation policy. Six countries

were studied: New Zealand, the U.S., Peru, Japan, the U.S.S.R. and China. The U.S. chapter includes discussion on federal liabilities and negligence.

Source: Project on Government Liability, Natural Resource Law Institute, Lewis and Clark Law School, 10015 S.W. Terwilliger Blvd., Portland, OR 97219.

125. Insurance Information Institute. 1985. *Package on: EARTHQUAKE INSURANCE IN CALIFORNIA*. San Francisco, CA: Insurance Information Institute.

This is a folder of materials prepared by the Insurance Information Institute explaining the current laws concerning earthquake insurance and basic preparedness measures to undertake. Folder also contains several general background articles on earthquakes.

Source: Insurance Information Institute, 400 Montgomery Street, San Francisco, CA 94104, (415) 392-3185.

126. Margerum, Terry. 1979. *WILL LOCAL GOVERNMENT BE LIABLE FOR EARTHQUAKE LOSSES?* Oakland, CA: ABAG.

A good summary to liability issues after a major earthquake. Part of a larger ABAG study on local government liability in earthquakes.

Source: ABAG, MetroCenter, 101 - 8th Street, P. O. Box 2050, Oakland, CA 94604, (415) 464-7900.

127. Margerum, Terry. n.d. *EARTHQUAKE HAZARDS AND LOCAL GOVERNMENT LIABILITY - EXECUTIVE SUMMARY*. Oakland, CA: ABAG.

This is an Executive Summary of a 1978 ABAG study examining the potential liability of local governments for earthquake losses. ABAG conducted a thorough legal analysis, lengthy interviews with local officials at sites of recent earthquakes and a survey of officials in 4 states.

Source: ABAG, MetroCenter, 101 - 8th Street, P. O. Box 2050, Oakland, CA 94604, (415) 464-7900.

128. Southern California Earthquake Preparedness Project. 1983. *EARTHQUAKE PREDICTION RESPONSE: LEGAL AUTHORITIES AND LIABILITIES*. Los Angeles, CA: SCEPP.

A review of California law to 1983 to examine and determine authorities

and potential liabilities for actions taken or not taken by local governments in response to an earthquake prediction.

Source: American Red Cross, Los Angeles Chapter, Southern California Division, 2700 Wilshire Blvd., CA 90057, (213) 739-5200.

129. UNDRO. 1984. *THE GENEVA PAPERS ON RISK AND INSURANCE, I, II, III & IV*. A Quarterly Journal on Risk, Uncertainty and Insurance Economics. Vol. 9, #30, 31, 32 & 33. Geneva: Association Internationale pour L'etude de l'economie de l'assurance.

Four issues of the quarterly *The Geneva Papers on Risk and Insurance Economics* (Vol. 9, Nos. 30, 31, 32 & 33) are devoted to the issue of natural disasters and insurance. Articles by leading experts in this field address such topics as definitions of disaster insurance, case studies in seismic hazard and risk assessment, risk assessment for insurance programs, and so forth. Contributors include V. Karnik, S.T. Algermissen, K.V. Steinbrugge, and others.

Source: UNDRO, Palais des Nations, CH-1211, Geneva 10, Switzerland.

VIII. LAND USE ISSUES AND EARTHQUAKE RISK

130. Arnold, Christopher and Richard K. Eisner. 1984. *PLANNING INFORMATION FOR EARTHQUAKE HAZARD RESPONSE AND REDUCTION*. San Mateo, CA: Building Systems Development, Inc.

A report identifying the information necessary for earthquake preparedness planning, and developing models of urban disaster planning in which the data can be used. A joint project between the consultants and officials in Oakland, CA and Yokohama, Japan. Includes a case study of earthquake vulnerability and seismically suspicious buildings in Oakland.

Source: Building Systems Development, Inc. (BSD), 3130 La Selva, Suite 308, San Mateo, CA 94403, (415) 574-4146.

131. Baker, Earl J. 1976. *TOWARD AN EVALUATION OF POLICY ALTERNATIVES GOVERNING HAZARD-ZONE LAND USES*. Working Paper #28. Boulder, CO: Natural Hazards Research Center, University of Colorado.

A discussion of considerations useful in the evaluation of alternative hazard zone land use policies. Includes a discussion of benefits versus costs of occupying hazard zones.

Source: Natural Hazards Research and Applications Information Center, Institute of Behavioral Science #6, Campus Box 482, University of Colorado, Boulder, CO 80309.

132. Blair, M.L. and W.E. Spangle. 1979. *SEISMIC SAFETY AND LAND-USE PLANNING - SELECTED EXAMPLES FROM THE SAN FRANCISCO BAY REGION, CALIFORNIA*. Geological Survey Professional Paper 941-B. Washington, D.C.: United States Geological Survey.

A state-of-the-art document that discusses how local land-use planning and regulation can be used to reduce seismic risk, particularly in undeveloped or sparsely developed areas. Methods include considering seismic hazards in analyzing land capability, developing land use policy and relations consistent with seismic risk and establishing project review procedures to ensure consideration of seismic hazards in land use decisions and land development practices. Well illustrated.

Source: USGS, 504 Custom House, 555 Battery Street, San Francisco, CA 94111, (415) 556-5627.

133. Borchardt, R. D. (Ed). 1975. *STUDIES FOR SEISMIC ZONATION OF THE SAN FRANCISCO BAY REGION*. Geological Survey Professional Paper 941-A. Washington, D.C.: United States Geological Survey.

Part of the U.S.G.S. and HUD series developed for the Bay Area. Series of earth-science studies that provide a basis for reducing earthquake hazards. Method outlined for seismic zonation is applicable, with modifications, throughout Bay region and elsewhere in the country.

Source: USGS, 504 Custom House, 555 Battery Street, San Francisco, CA 94111, (415) 556-5627.

134. Brabb, E. E. (Ed.). 1979. *PROGRESS ON SEISMIC ZONATION IN THE SAN FRANCISCO BAY REGION*. Geological Survey Circular 807. Arlington, VA: United States Geological Survey.

Part of the series of reports in the San Francisco Bay Region Environment and Resources Planning Study. Papers in this report taken from proceedings of Second International Conference on Microzonation.

Source: USGS, 504 Custom House, 555 Battery Street, San Francisco, CA 94111, (415) 556-5627.

135. Brown, Robert D., Jr., and William J. Kockelman. 1983. *GEOLOGIC PRINCIPLES FOR PRUDENT LAND USE: A DECISIONMAKER'S GUIDE FOR THE SAN FRANCISCO BAY REGION*. Geological Survey Professional Paper 946. United States Government Printing Office.

An excellent publication for decisionmakers faced with deciding how land is to be used in the San Francisco Bay Region. Reminds readers of the relationship between geology and land use, informs them so they are better able to ask the right questions, to address such questions to those best qualified to answer, and to demand responsive answers based on valid technical or scientific evidence. Extremely readable, well illustrated.

Source: USGS, 504 Custom House, 555 Battery Street, San Francisco, CA 94111, (415) 556-5627.

136. Erley, Duncan and William J. Kockelman. 1981. *REDUCING LANDSLIDE HAZARDS: A GUIDE FOR PLANNERS*. Planning Advisory Service Report No. 359. Chicago, IL: American Planning Association.

Provides an overview of the nature, extent and costs of landslides, as well as basic technical information on causes. Describes specific techniques to

mitigate hazards. Also outlines ways in which local governments can use grading regulations and other related techniques to reduce the danger of landslides.

Source: APA, 1313 E. - 60th St., Chicago, IL 60637.

137. Hart, Earl W. 1980. *FAULT-RUPTURE HAZARD ZONES IN CALIFORNIA*. Special Publication 42. Sacramento, CA: California Division of Mines and Geology.

Identifies and describes 1) actions taken by the state geologist to delineate special studies zones; 2) policies used to make zoning decisions and, 3) official maps of special studies zones issued to date. Supplements issued as new maps developed.

Source: CDMG, P. O. Box 2980, Sacramento, CA 95812, (916) 445-5716.

138. Helley, E.J., K.R. LaJoie, W.E. Spangle and M.L. Blair. 1979. *FLAT LAND DEPOSITS - THEIR GEOLOGY AND ENGINEERING PROPERTIES AND THEIR IMPORTANCE TO COMPREHENSIVE PLANNING. Selected Examples From The San Francisco Bay Region, California*. Geological Survey Professional Paper 943. Washington, D.C.: United States Geological Survey.

A product of the San Francisco Bay Region Environment and Resources Planning Study. It examines low-lying areas of the Bay Region, evaluates the different flatland deposits, and discusses how earth-science knowledge of the deposits can be incorporated into planning decisions.

Source: USGS, 504 Custom House, 555 Battery Street, San Francisco, CA 94111, (415) 556-5627.

139. Jaffe, Martin, JoAnne Butler, Charles Thurow. 1981. *REDUCING EARTHQUAKE RISKS: A PLANNER'S GUIDE*. Report Number 364. Chicago, IL: American Planning Association.

Examines seismic safety programs that can be considered by local planners. Sets out a means of reviewing environmental and geological information to assess earthquake hazards, reviews ways to assess earthquake risks, and examines seismic safety options. Also looks at regulations that can be used to guide growth away from identified hazard areas and to meet problems of existing substandard buildings that are likely to fail during an earthquake.

Source: APA, 1313, E. 60th Street, Chicago, IL 60637.

140. Jones, Paul S. 1983. *CALIFORNIA EARTHQUAKE RESIDUAL TRANSPORTATION CAPABILITY STUDY*. Cambridge, MA: Systan & Transportation Systems Center, U.S. Department of Transportation.

Addresses the ability of transportation facilities in California to survive four postulated earthquakes based on historical events. Survival of highways, railroads, ports, airports, and pipelines is investigated.

Source: Systan, Inc., P.O. Box U, Los Altos, CA 94022.

141. Laird, Raymond T., Jeanne B. Perkins, David A. Bainbridge, James B. Baker, Robert T. Boyd, Daniel Huntsman, Paul E. Staub, and Melvin B. Zucker. 1979. *QUANTITATIVE LAND-CAPABILITY ANALYSIS - SELECTED EXAMPLES FROM THE SAN FRANCISCO BAY REGION, CALIFORNIA*. Geological Survey Professional Paper 945. Washington, D.C.: United States Geological Survey.

Method of analyzing land capability described in this report estimates the costs of land utilization related to geologic characteristics and processes when existing use is converted to housing, commerce and transportation.

Source: USGS, 504 Custom House, 555 Battery Street, San Francisco, CA 94111, (415) 556-5627.

142. Mader, George G., William E. Spangle, Martha L. Blair, Richard L. Meehan, Sally W. Bilodeau, Henry J. Degenkolb, George S. Duggar and Norman Williams, Jr. 1980. *LAND USE PLANNING AFTER EARTHQUAKES*. Portola Valley, CA: William Spangle & Associates, Inc.

A report with the underlying hypothesis that post earthquake land use planning can effectively reduce future earthquake risk in an urban area. Focuses on the 1971 San Fernando, 1964 Alaska and 1969 Santa Rosa earthquakes. Information supplemented by review of other reconstruction decisions. Contains series of recommendations.

Source: William Spangle and Associates, Inc., 3240 Alpine Road, Portola Valley, CA 94025, (415) 854-6001.

143. Nilsen, Tor H., Robert H. Wright, Thomas C. Vlasic and William E. Spangle. 1979. *RELATIVE SLOPE STABILITY AND LAND-USE PLANNING - SELECTED EXAMPLES FROM THE SAN FRANCISCO BAY REGION, CALIFORNIA*. Geological Survey Professional Paper 944. Washington, D.C.: United States Geological Survey.

Results of several years of research on problems of slope stability are

interpreted and summarized. Describes a method of evaluating slope stability. Includes maps.

Source: USGS, 504 Custom House, 555 Battery Street, San Francisco, CA 94111, (415) 556-5627.

144. Real, Charles R., Tousson R. Toppozada, and David L. Parke. 1978. *EARTHQUAKE CATALOG OF CALIFORNIA, JANUARY 1, 1900--DECEMBER 31, 1974. Special Publication 52.* Sacramento, CA: California Division of Mines and Geology.

Report that presents pertinent information for earthquakes having epicenters or effects in California. The Earthquake Catalog program contains records back to 1769.

Source: CDMG, P. O. Box 2980, Sacramento, CA 95812, (916) 445-5716.

145. Toppozada, T.R., Charles R. Real and David L. Parke. 1981. *PREPARATION OF ISOSEISMAL MAPS AND SUMMARIES OF REPORTED EFFECTS FOR PRE-1900 CALIFORNIA EARTHQUAKES.* Annual Technical Report to USGS. CDMG Open File Report 81-11. Sacramento, CA: California Division of Mines and Geology.

This report provides one hundred isoseismal maps showing the distribution of the intensity reports for selected, pre-1900 earthquakes. From these reports the magnitude and epicentral location of each earthquake is estimated.

Source: CDMG, P.O. Box 2980, Sacramento, CA 95812, (916) 445-5716

146. Waananen, A.O., J.T. Limerinos, W.J. Kockelman, W.E. Spangle, and M.L. Blair. 1977. *FLOOD PRONE AREAS AND LAND-USE PLANNING - SELECTED EXAMPLES FROM THE SAN FRANCISCO BAY REGION, CALIFORNIA.* Geological Survey Professional Paper 942. Washington, D.C.: United States Geological Survey.

Examines the problem of flooding in the Bay region, describes the preparation and use of various types of flood maps and flood information reports, lists sources of information on flooding and flood plains, discusses flood-loss prevention and reduction measures, and discusses the role of comprehensive planning in flood-plain management.

Source: USGS, 504 Custom House, 555 Battery Street, San Francisco, CA 94111, (415) 556-5627.

147. Youd, T.L. and Hoose, S.N. 1978. *HISTORIC GROUND FAILURES IN NORTHERN CALIFORNIA TRIGGERED BY EARTHQUAKES*. USGS Professional Paper 993. Menlo Park, CA: United States Geological Survey.

Reports of the 1906 and other northern California earthquakes and descriptions of ground failures therein are used to: (1) identify the types of ground failures as associated with earthquakes, and (2) provide a guide for engineers, planners, and others responsible for minimizing seismic hazards.

Source: USGS, 504 Custom House, 555 Battery Street, San Francisco, CA 94111, (415) 556-5627.

IX. EARTHQUAKE RESISTANT DESIGN, CONSTRUCTION
AND RETROFITTING

148. Applied Technology Council. 1980. *THE HOME BUILDERS GUIDE FOR EARTHQUAKE DESIGN*. Palo Alto, CA: ATC.

An Applied Technology Council report dealing with design and construction details for single family residences, intended to minimize potential material and life-loss hazards induced by earthquakes. Published under a contract with HUD (Department of Housing and Urban Development).

Source: ATC, 2471 E. Bay Shore Road, Suite 512 Palo Alto,
CA 94303, (415) 856-8525

149. Arnold, Christopher and Robert Reitherman. 1982. *BUILDING CONFIGURATION AND SEISMIC DESIGN*. New York: John Wiley & Sons.

A well-documented and extensive study of the principles of earthquake resistant architectural design. A straightforward and clear non-mathematical state of the art document. Case studies, photographs and illustrations, annotated bibliography.

Source: Publisher.

150. Berg, Glen V. 1983. *SEISMIC DESIGN CODES AND PROCEDURES*. Berkeley, CA: Earthquake Engineering Research Institute.

A volume in an EERI Monograph series, introducing the reader to the design of earthquake-resistant structures. Discusses various building codes and makes comparisons.

Source: EERI, 6431 Fairmount Ave., Suite 7, El Cerrito, CA 94530
(415) 525-3668.

151. Botsai, Elmer E., Alfred Goldberg, John L. Fisher, Henry J. Lagorio and Thomas D. Wosser. n.d. *ARCHITECTS AND EARTHQUAKES*. Washington, D.C.: AIA Research Corporation, American Institute of Architects.

A concise but comprehensive architect's guide to earthquake relevant considerations in building design. Explanation of current theory of earth movement, courses of earthquakes and their effects on structures. Well chosen descriptive photographs of building damage. Glossary especially helpful.

Source: AIA Foundation, 1735 New York Ave., N.W., Washington,
D.C. 20006.

152. California Seismic Safety Commission. 1983. *THE CONSTRUCTION PROCESS: QUALITY CONTROL, INSPECTION AND PERFORMANCE*. Publication No. 83-05. Sacramento, CA: California Seismic Safety Commission.

A report of the SSC's Committee on Hazardous Buildings, directed to building owners, designers, code writers, contractors, construction personnel. Identification of the problem, participants in and the principal needs of the construction process.

Source: CSSC, 1900 K Street, Suite 100, Sacramento, CA 95814,
(916)322-4917

153. Comerio, Mary and Sanford Hirshen. 1982. *AN EARTHQUAKE ADVISOR'S HANDBOOK FOR WOOD FRAME HOUSES*. Berkeley, CA: Center for Environmental Design Research, University of California.

A booklet for establishing an earthquake information service for wood frame structures. Thirty-odd pages of basic "how-to" drawings on securing foundations, bracing cripple walls and wall corners, walls, floors, etc.

Source: Center for Environmental Design Research, College of
Environmental Design, University of California, Berkeley, CA
94720, (415) 642-2896.

154. Comerio, Mary & Hal Levin. 1982. *EARTHQUAKE HAZARDS AND WOOD FRAME HOUSES: WHAT YOU SHOULD KNOW AND CAN DO*. Berkeley, CA: Center for Environmental Design Research, University of California.

A "do-it-yourself" booklet for residents of wood frame houses. Lessons from previous earthquakes, site and building hazards explained. Information on how to inspect and improve one's home to resist future earthquakes.

Source: Center for Environmental Design Research, College of
Environmental Design, University of California, Berkeley,
CA 94720, (415) 642-2896.

155. Dowrick, D. J. 1978. *EARTHQUAKE RESISTANT DESIGN: A MANUAL FOR ENGINEERS AND ARCHITECTS*. New York, N.Y.: A Wiley-Interscience Publication, John Wiley & Sons.

A technical book for engineers and architects on principles of earthquake resistant design. Structural details, calculus, tables and charts.

Source: Publisher.

156. Eagling, Donald G. (Ed). 1983. *SEISMIC SAFETY GUIDE*. LBL- 9143, UC-11. Berkeley, CA: University of California, Lawrence Berkeley Laboratory.

A collection of papers on principal topics of earthquake safety: design principles for new buildings, evaluation and rehabilitation of existing structures, earthquake preparedness planning, risk management. Photographs, illustrations, appendices.

Source: Lawrence Berkeley Laboratory, University of California, Berkeley, CA 94720.

157. Earthquake Engineering Research Institute. 1984. *NON STRUCTURAL ISSUES OF SEISMIC DESIGN AND CONSTRUCTION*. Publication Number 84-04. Berkeley, CA: EERI.

A technical evaluation of the nonstructural earthquake damage issue, based on an NSF sponsored workshop. Four technical papers and a summary of committee discussions grouped in four topical areas. General bibliography of non-structural issues, illustrations included.

Source: EERI, 6431 Fairmount Ave., Suite 7, El Cerrito, CA 94530, (415) 525-3668.

158. Evans, Deane. 1982. *THE ROLE OF ARCHITECTS AND PLANNERS IN POST EARTHQUAKE STUDIES*. Berkeley, CA: Earthquake Engineering Research Institute.

Proceedings of a colloquium on architects and planners' roles in post-earthquake studies. Recommendations and two appendices included.

Source: EERI, 6431 Fairmount Ave., Suite 7, El Cerrito, CA 94530, (415) 525-3668

159. Green, Norman B. 1978. *EARTHQUAKE RESISTANT BUILDING DESIGN AND CONSTRUCTION*. San Francisco, CA: Van Nostrand Reinhold Company.

A technical book written primarily for a structural engineering audience. Examples and analyses of post-earthquake damage.

Source: Publisher.

160. Housner, G.W. and P.C. Jennings. 1982. *EARTHQUAKE DESIGN CRITERIA*. Berkeley, CA: Earthquake Engineering Research Institute.

Volume 4 of a Monograph Series, presenting information on the earthquake performance of structures and on important aspects of specifying seismic design criteria. Includes 2 case studies in reading and

interpreting earthquake response (Kajima International Building and Imperial County Services Building) and a section on earthquake requirements in the 1982 Uniform Building Code.

Source: EERI, 6431 Fairmount Ave., Suite 7, El Cerrito, CA 94530,
(415) 525-3668

161. Reitherman, Robert. 1985. *REDUCING THE RISKS OF NONSTRUCTURAL EARTHQUAKE DAMAGE: A PRACTICAL GUIDE*. 2nd Ed. Oakland, CA: Bay Area Regional Earthquake Preparedness Project.

Clear guide of before-the-earthquake self-help activities aimed at reducing life loss and injuries from non-structural hazards. Also includes dollar figure of non-structural earthquake damage. Targeted to non-engineering business sector audience. Emergency planning information, structural damage appendix, illustrations, annotated bibliography.

Source: BAREPP, MetroCenter, 101 - 8th Street, Suite 152, Oakland,
CA 94607, (415) 540-2713..

162. Smith, Gretchen W. and Robert Reitherman. 1984. *DAMAGE TO UNREINFORCED MASONRY BUILDINGS AT STANFORD UNIVERSITY IN THE 1906 SAN FRANCISCO EARTHQUAKE*. Redwood City, CA: Scientific Service, Inc.

A report from the NSF sponsored series "Case Studies of the Earthquake Performance of Unreinforced Masonry Buildings." Begins with a history of the Stanford Campus construction and continues with structural considerations. A clear review of individual buildings' performances in the earthquake. Damage rating is given both in the form of a narrative and as a table in the appendix. "The Old Versus the New" section compares the seismic performance of new and old buildings in several major California earthquakes - San Francisco 1906, Long Beach 1933, San Fernando 1971, Imperial County 1979 and Coalinga 1983. The concluding part of the case study discusses the quality of workmanship and construction, design configuration and structural systems. Amply illustrated with reproductions of original photographs and architectural drawings.

Source: SSI, 35 Arch St., Redwood City, CA 94062 (415) 368-2931

163. Scholl, Roger E. (Ed). 1984. *EXPERIMENTAL RESEARCH NEEDS FOR IMPROVING THE EARTHQUAKE-RESISTANT DESIGN OF BUILDINGS*. Report Number 84-01. Berkeley, CA: Earthquake Engineering Research Institute.

Identification and technical evaluation of experimental research needs for

earthquake resistant design of buildings. Based on a National Science Foundation sponsored workshop. Appendices, tables and figures.

Source: EERI, 6431 Fairmount Ave., Suite 7, El Cerrito,
CA 94530, (415) 525-3668.

164. J.H. Wiggins Company. n.d. *BUILDING LOSSES FROM NATURAL HAZARDS: YESTERDAY, TODAY & TOMORROW*. Redondo Beach, CA: J.H. Wiggins Company.

A summary of a major research effort that examined building damage and related losses that could be expected from nine natural hazards, including earthquakes. Each hazard was modeled to provide estimates of annual, and in some cases, sudden catastrophic losses.

Source: J.H. Wiggins Co., 1650 South Pacific coast Highway,
Redondo Beach, CA 90277 (213) 378-0257.

X. RECOVERY

165. Baisden, Barbara and E.L. Quarantelli. 1979. *THE RECOVERY PERIOD IN U.S. DISASTERS: DISASTER PROBLEMS AND OPPORTUNITIES*. Reprint #127. Columbus Ohio: Disaster Research Center, The Ohio State University.

This paper outlines the difficulties inherent in defining the recovery period: its beginning and its meaning. Discuss trends apparent at state and local levels and deals with different impacts of disaster and recovery on individuals, households, organizations and communities.

Source: Disaster Research Center, University of Delaware,
Newark, Delaware 19716.

166. Dynes, Russell and E.L. Quarantelli. 1978. *THE NATURE AND SCOPE OF CURRENT LOCAL DISASTER PLANNING IN AMERICAN COMMUNITIES*. Miscellaneous Report #21. Columbus, Ohio: Disaster Research Center, The Ohio State University.

A discussion of different types of disaster planning in communities around the country. Discusses the focus of disaster planning, the location of such planning in the community structure and disaster tasks and organizational responsibility.

Source: Disaster Research Center, University of Delaware,
Newark, Delaware 19716.

167. Earthquake Preparedness Task Force, Recovery and Reconstruction Advisory Committee. 1984. *MODEL RECOVERY PROGRAM*. Sacramento, CA: California Seismic Safety Commission and Office of Emergency Services.

Guidelines for communities to use in preparing successfully to recover from a major earthquake. A major theme is that hazard mitigation, emergency response and recovery planning are interrelated parts of earthquake preparedness process.

Source: Office of Emergency Services, 2800 Meadowview Road,
Sacramento, CA 95832, (916) 427-4990.

168. French, Steven P., Craig A. Ewing and Mark S. Isaacson. 1984. *RESTORATION AND RECOVERY FOLLOWING THE COALINGA EARTHQUAKE OF MAY, 1983*. Working Paper #50. Boulder, CO: Natural Hazards Research and Applications Information Center, University of Colorado.

A report on Coalinga 1983 earthquake focusing on restoration of services

and short-term reconstruction. The financing of recovery process addressed. Policy implications outlined.

Source: Natural Hazard Research and Applications Information Center,
Institute of Behavioral Science #6, Campus Box 482, University of
Colorado, Boulder, CO 80309.

169. Fresno County Department of Health. 1984. *AN EARTHQUAKE RECOVERY PROGRAM*. Rockville, MD: Center for Mental Health Studies of Emergencies.

A final report of the Earthquake Recovery Program sponsored by the National Institute of Mental Health to serve the population affected by the Coalinga Earthquake. The report discusses the program objectives and services and includes a set of recommendations and evaluation.

Source: Fresno County Department of Health, Health Education, P. O.
Box 11867, Fresno, CA 93775, (209) 445-3355.

170. Quarantelli, E.L. 1983. *EMERGENT CITIZEN GROUPS IN DISASTER PREPAREDNESS AND RECOVERY ACTIVITIES: AN INTERIM REPORT*. (Miscellaneous report #33.) The Ohio State University. Columbus, OH: Disaster Research Center.

A discussion of types of citizens' groups that can form to undertake disaster preparedness and recovery activities. The study attempted to determine the characteristics of these groups, major social conditions necessary for group formation and consequences of group actions.

Source: Disaster Research Center, University of
Delaware, Newark, DE 19716

171. Rubin, Claire B., Martin D. Saperstein and Daniel G. Barbee. 1985. *COMMUNITY RECOVERY FROM A MAJOR NATURAL DISASTER*. Monograph #41. Boulder, CO: Natural Hazards Research and Applications Information Center, University of Colorado.

A study of community recovery following a natural disaster. A theoretical discussion has identified three elements over which the local officials (to whom the study is dedicated) have the most control: leadership, ability to act and knowledge. The study found that is possible to improve those key elements, and encourages local officials to do so before disaster strikes. The second section of the book deals with recovery of fourteen U.S. communities, including the recovery of

Coalinga, California, following the 1983 earthquake. This is a useful study that offers new insight into community recovery processes from the local government perspective.

Source: Natural Hazards Research and Applications Information Center,
Institute of Behavioral Science #6, Campus Box 482, University of
Colorado, Boulder, CO, 80309.

172. Russell Sage Foundation. 1913. *SAN FRANCISCO RELIEF SURVEY*. New York: Survey Associates.

A summary of relief process following the 1906 San Francisco earthquake. Probably the first comprehensive report on relief and recovery efforts following a major disaster. Extremely helpful in realizing what an 8.3 event on the Richter Scale is all about. More than 50 contemporary photographs.

Source: Lending libraries. Out of print and unavailable for purchase.

XI. CASE STUDIES

173. Bay Area Regional Earthquake Preparedness Project. 1986. *THE MEXICO CITY EARTHQUAKE OF SEPTEMBER 19, 1985: LESSONS FOR THE BAY AREA*. Special Issue of *NETWORKS*. Oakland, CA: BAREPP.

A summary of the consequences of the September 19 and 20, 1985 earthquakes in Mexico City, and a discussion of lessons learned for the Bay Area. The most important findings are pointed out in a series of checklists for Bay Area governments and emergency response personnel.

Source: BAREPP, MetroCenter, 101 - 8th Street, Suite 152, Oakland, CA 94607, (415) 540-2713.

174. Brandow, Gregg E. (Coordinator) & David J. Leeds (Ed.). 1980. *IMPERIAL COUNTY, CALIFORNIA EARTHQUAKE OF OCTOBER 15, 1979: RECONNAISSANCE REPORT*. Berkeley, CA: Earthquake Engineering Research Institute.

An EERI reconnaissance report on the Imperial County Earthquake, highlighting the performance and damage of lifelines, hospitals, schools and unreinforced masonry. A case study of the Imperial County Services Building included. Thoroughly illustrated.

Source: EERI, 6431 Fairmount Ave., Suite 7, El Cerrito, CA 94530, (415) 525-3668.

175. California Division of Mines & Geology. 1984. *THE 1984 MORGAN HILL, CALIFORNIA EARTHQUAKE*. Special Publication 68. Sacramento, CA: Department of Conservation, CDMG.

A collection of articles on the Morgan Hill 1984 earthquake, addressing four sections: damage, emergency response, geologic and seismological investigations. Helpful for understanding the likely pattern of damage in a future moderate San Francisco Bay Area earthquake.

Source: CDMG, P. O. Box 2980, Sacramento, CA 95812, (916) 445-5716.

176. California Division of Mines & Geology. 1983. *THE 1983 COALINGA, CALIFORNIA EARTHQUAKE*. Special Publication 66. Sacramento, CA: Department of Conservation, CDMG.

A volume from the CDMG Special Publication series focusing on the Coalinga, 1983 earthquake. A collection of papers addressing three major topical areas: earthquake effects on structures; geologic and geophysical studies of a regional nature; and seismological parameters of the main shock and aftershocks.

Source: CDMG, P.O. Box 2980, Sacramento, CA 95812, (916) 445-5716.

177. California Division of Mines and Geology. 1975. *SAN FERNANDO, CALIFORNIA EARTHQUAKE OF 9 FEBRUARY 1971*. Bulletin 196. Sacramento, CA: Department of Conservation, CDMG.

A set of topically-related papers dealing with the 1971 San Fernando earthquake. The first and largest section of the volume is devoted to geology and geophysics. The remaining chapters focus on seismological issues, damage and disaster response. A set of maps accompany the volume.

Source: CDMG, P.O. Box 2980, Sacramento, CA 95812, (916) 445-5716.

178. California Division of Mines. 1959. *SAN FRANCISCO EARTHQUAKES OF MARCH 1957*. Special Report 57. Sacramento, CA: Dept. of Conservation, CDMG.

A collection of papers on the San Francisco earthquake addressing geological, seismic and building damage issues.

Source: CDMG, P.O. Box 2980, Sacramento, CA 95812, (916) 445-5716.

179. Committee on Natural Disasters of the National Academy of Sciences, jointly with the Earthquake Engineering Research Institute. 1986. *RECONNAISSANCE REPORT OF THE DAMAGE CAUSED BY THE 19 AND 20 SEPTEMBER, 1985 EARTHQUAKES IN MEXICO CITY*. Washington, D.C.: National Academy of Sciences.

A follow-up of the preliminary October 1985 report on the effects of the Mexican earthquake. It covers ground motion observed in Mexico City and the west coast of Mexico, structural damage, damage to lifelines, and emergency response. Will be available after September 1, 1986.

Source: EERI, 6431 Fairmount Ave., Suite 7, El Cerrito, CA 94530, (415) 525-3668.

180. H.J. Degenkolb Associates, Engineers. 1983. *REPORT ON OBSERVATIONS: EARTHQUAKE OF MAY 2, 1983, COALINGA, CA*. San Francisco: H.J. Degenkolb Associates, Engineers.

A reconnaissance report on the Coalinga 1983 earthquake. Observations of earthquake damage from an engineering viewpoint. Extensive collection of building damage photographs accompanied by brief explanations and general comments about similar types of building failure.

Source: H.J. Degenkolb Associates, 350 Sansome St., San Francisco, CA 94104, (415) 392-6952

181. EQE, Inc. 1985. *SUMMARY OF THE MARCH 3, 1985, CHILE EARTHQUAKE*. San Francisco, CA: EQE, Inc.

A brief, well-illustrated report on the effects of the Chilean earthquake of March 3, 1985, on residences, commercial and industrial facilities, and foundations. Emergency response is also briefly covered.

Source: EQE, Inc., 121 Second St., San Francisco,
CA 94105 (415) 495-5500.

182. EQE, Inc. 1985. *SUMMARY OF THE SEPTEMBER 19, 1985, MEXICO EARTHQUAKE*. San Francisco, CA: EQE, Inc.

An early report on the Mexican September 19, 1985 earthquake damage. Extensively illustrated with sections on commercial and residential buildings, industrial and power facilities, emergency response and lifelines.

Source: EQE, Inc., 121 Second St., San Francisco, CA 94105
(415) 495-5500.

183. EQE, Inc. 1984. *THE EFFECTS OF THE MAY 2, 1983, COALINGA, CALIFORNIA EARTHQUAKE ON INDUSTRIAL FACILITIES*. San Francisco: EQE, Inc.

A case study of industrial facilities performance in the Coalinga, 1983, earthquake. After giving background information about the area and the earthquake, it focuses on electrical power, water, oil, natural gas and agricultural facilities.

Source: EQE, Inc.: 121 Second St., San Francisco, CA 94105
(415) 495-5500.

184. EQE, Inc. 1984. *PRELIMINARY REPORT ON THE EFFECTS OF THE APRIL 24, 1984, MORGAN HILL, CALIFORNIA EARTHQUAKE*. San Francisco, CA: EQE Inc.

An early (June 1984) report of the Morgan Hill, April 1984 earthquake, covering types of damage on residences, wineries, high tech and educational facilities, and lifelines. Half of volume (26 pages) dedicated to photographs of damage.

Source: EQE, Inc., 121 Second Street, San Francisco, CA 94105,
(415) 495-5500.

185. Selkregg, Lidia L., Richard L. Ender, Stephen F. Johnson, John C. K. Kim, Susan E. Gorski, Jane Preuss and Duncan Kelso. 1984. *EARTHQUAKE HAZARD MITIGATION - PLANNING POLICY IMPLEMENTATION - THE ALASKA CASE*. Anchorage, AK: University of Alaska & Urban Regional Research.

A case study of the first American major earthquake disaster after the 1906 San Francisco one. An in-depth study of the great Alaska earthquake followed by research into current mitigation and preparedness measures implemented in Alaska and the steps necessary for more effective protection.

Source: Urban Regional Research, 616 First Avenue #200, Seattle,
WA 98104 (206) 624-1669

186. Scholl, Roger E. and James L. Stratta, (Eds.). 1984. *COALINGA, CALIFORNIA, EARTHQUAKE OF MAY 2, 1983*. Reconnaissance Report. Report Number 84-03. Berkeley, CA: Earthquake Engineering Research Institute.

The EERI reconnaissance report of the 1983 Coalinga earthquake. Geological & seismological aspects followed by extensive reports on buildings' performance, non-structural components, lifelines and industrial facilities. Well illustrated.

Source: EERI, 6431 Fairmount Ave., Suite 7, El Cerrito, CA 94530,
(415) 525-3668.

187. State of California Assessment Team. 1986. *AN ASSESSMENT OF THE MEXICO CITY EARTHQUAKE: LESSONS FOR CALIFORNIA*. Sacramento, CA: Office of Emergency Services.

A report by the State of California team dispatched to Mexico City in mid-October 1985 to assess various aspects of the September 19, 1985 earthquake in that city. Specific areas that were looked into and reported on in this document include seismological and geological aspects, distribution of damage, communications, medical support, route restoration, human services and mass care, governmental response, recovery and reconstruction. Available after June 1, 1986.

Source: Governor's Office of Emergency Services, P.O.
Box 9577, Sacramento, CA 95823.

188. Tierney, Kathleen J. 1985. *REPORT ON THE COALINGA EARTHQUAKE OF MAY 2, 1983*. Sacramento, CA: California Seismic Safety Commission.

A Coalinga earthquake report prepared for FEMA. An extensive study including injuries and damage, emergency response, recovery and reconstruction efforts. Concluding section includes policy implications for other communities.

Source: CSSC, 1900 K Street, Suite 100, Sacramento, CA 95814,
(916) 322-4917.

XII. SCENARIOS & HAZARD ASSESSMENTS

189. Association of Bay Area Governments. 1982. *ABAG'S EARTHQUAKE HAZARD MAPPING CAPABILITY*. Oakland, CA: ABAG

A series of reports on ABAG's project to develop computer-based map files related to earthquakes and earthquake hazards. Consists of four parts: First, six basic data map files: geology, faults, topography, landslides, tsunami inundation areas and dam failure inundation areas; second, eight hazard map files: risk of ground shaking damage, liquefaction susceptibility and potential, rainfall induced landslide susceptibility, earthquake-induced landslide susceptibility, fault surface rupture, tsunami hazard areas and dam failure hazard area; third, five map file applications; and fourth, a set of eighteen working papers, which contain more information about each of the map files. "A Guide to ABAG's Earthquake Hazard Mapping Capability" summarizes the project.

Source: ABAG, MetroCenter, 101 - 8th Street, P. O. Box 2050, Oakland, CA 94604, (415) 464-7900

190. California Division of Mines and Geology. 1982. *PROCEEDINGS - CONFERENCE ON EARTHQUAKE HAZARDS IN THE EASTERN SAN FRANCISCO BAY AREA*. Special Publication 62. Sacramento, CA: CDMG.

Proceedings of a conference dealing with earthquake hazards in the eastern San Francisco Bay Area. Topics include earth science issues (Geology and tectonics, seismology, crustal strain) as well as preparedness, planning and implementation issues. A number of articles covering a variety of issues; geologic hazards and school and hospital buildings, and seismic safety at the local level.

Source: CDMG, P. O. Box 2980, Sacramento, CA 95812, (916) 445-5716.

191. Davis, James F., John H. Bennett, Glenn A. Borchardt, James E. Kahle, Salem J. Rice, and Michael A. Silva. 1982. *EARTHQUAKE PLANNING SCENARIO FOR A MAGNITUDE 8.3 EARTHQUAKE ON THE SAN ANDREAS FAULT IN THE SAN FRANCISCO BAY AREA*. Special Publication 61. Sacramento, CA: California Division of Mines and Geology.

A document forecasting the extent of physical damage following a probable earthquake of M=8.3 on the northern San Andreas Fault (in the San Francisco Bay Area). Intended to inform government agencies, corporate sector and general public about the possibility to cope with natural hazards by means of concerted action and preparedness planning.

Source: CDMG, P. O. Box 2980, Sacramento, CA 95812, (916) 445-5716.

192. Real, Charles R. 1984. *PROBABILISTIC LONG-TERM FORECASTS OF MAJOR EARTHQUAKES IN THE SAN FRANCISCO BAY REGION*. Oakland, CA: BAES.

A report to provide a better understanding of seismic hazards in the San Francisco Bay Area. Reviews current scientific understanding of the probability of future earthquakes in this region. Discusses ways to effectively convey these findings to governmental agencies and general public.

Source: BAREPP, MetroCenter, 101 - 8th Street, Suite 152, Oakland, CA 94607, (415) 540-2713.

193. Reitherman, Robert, Gregor Cuzner and Robert W. Hubenette. 1984. *MULTI-HAZARD SURVEY PROCEDURES*. Redwood City, CA: Scientific Service, Inc.

A report describing multihazard survey procedures developed by SSI for the FEMA. The procedures identify buildings' vulnerability to earthquake, high wind, tornado, hurricane and flood hazards. These procedures represent new methods for data collection and analysis which are to supplement the existing FEMA survey program procedures for National Facility Survey and Population Protection Planning purposes.

Source: Scientific Service, Inc. 35 Arch St., Redwood City, CA 94062 (415) 368-2931

194. Steinbrugge, Karl V., S.T. Algermissen, Henry J. Lagorio, Lloyd S. Cluff, Henry J. Degenkolb. 1981. *METROPOLITAN SAN FRANCISCO AND LOS ANGELES EARTHQUAKE LOSS STUDIES: 1980 ASSESSMENT*. United States Department of the Interior, Geological Survey Open File Report 81-113. Denver, CO: United States Geological Survey.

This report is a result of an inquiry into disaster preparedness for and consequences of a major California earthquake. It is based on two NOAA (National Oceanic and Atmospheric Administration) reports of 1972 and 1973, dealing with earthquake loss assessment in San Francisco (see item # 183) and Los Angeles areas respectively. Prepared essentially by the same group of consultants who took part in the NOAA studies.

Source: Open-File Services Section, Branch of Distribution, U.S. Geological Survey, Box 25046, Federal Center, Denver, CO 80225.

195. U.S. Department of Commerce/National Oceanic & Atmospheric Administration Environmental Research Laboratories. 1972. *A STUDY OF EARTHQUAKE LOSSES IN THE SAN FRANCISCO BAY AREA*. Sacramento, CA: Office of Emergency Preparedness.

The first major scenario of life loss and earthquake damage potential in

the San Francisco Bay Area. Special emphasis was laid on estimating damage to critical facilities. The study is based on simulations of six earthquakes: three on the San Andreas fault near San Francisco, and three on the Hayward fault near Hayward. In both cases the magnitudes were 8.3, 7.0 and 6.0. Out of print.

Source: Libraries such as EERC, 1301 South 46th Street,
Richmond, CA 94804, (415) 231-9403.

XIII. PERIODICALS AND NEWSLETTERS

196. *CALEEP NEWS*. (A quarterly publication of the California Earthquake Education Project, Lawrence Hall of Science, Berkeley, CA.)

A quarterly published by the California Earthquake Education Project. News about CALEEP outreach activities, training workshops that CALEEP organizes for schoolteachers, etc.

Source: CALEEP, Lawrence Hall of Science, University of California, Berkeley, CA 94720, (415) 642-8718.

197. *CALIFORNIA GEOLOGY*. (A monthly publication of the Department of Conservation, Division of Mines and Geology, Sacramento, CA.)

A monthly published by the CDMG. Deals with CDMG projects and reports on news dealing with earth sciences in California. Whole issues periodically devoted to earthquakes and seismicity in California.

Source: California Geology, P. O. Box 2980, Sacramento, CA 95812. (916) 445-5716.

198. *CDMG NOTES*. (California Division of Mines and Geology, Sacramento, CA.)

Information bulletin published occasionally by the CDMG. Covers special topics (such as "Faults and Earthquakes," CDMG *Note* #3), or points of interest for geologists and related experts.

Source: CDMG, P. O. Box 2980, Sacramento, CA 95812, (916) 445-5716.

199. *GROUND FAILURE*. (A publication of the National Research Council, Committee on Ground Failure Hazards.)

Published three times a year, focusing on ground failure hazards. Includes a feature article, case reports, laws, ordinances and codes as well as notices of upcoming meetings and publications.

Source: Committee on Ground Failure Hazards, National Research Council,
2101 Constitution Avenue, N.W., Washington, D.C. 20418, (202) 334-3219.

200. *EERC NEWS*. (A quarterly publication of Earthquake Engineering Research Center, University of California, Berkeley.)

A quarterly describing EERC and other earthquake-related activities.

Contains an extensive listing of new studies and EERC library acquisitions, which are available for loan.

Source: EERC, 1301 South 46th Street, Richmond, CA 94804,
(415) 231-9451.

201. *EERI NEWSLETTER*. (A monthly publication of the Earthquake Engineering Research Institute, Berkeley, CA.)

A newsletter published monthly by the Earthquake Engineering Research Institute. Reports regularly "News of the Profession," calendar of future events, latest News of the Membership, abstracts of the most recent publications. Good source of earthquake relevant information.

Source: EERI, 6431 Fairmount Ave., Suite 7, El Cerrito, CA 94530
(415) 525-3668.

202. *EARTHQUAKE INFORMATION BULLETIN*. (A bimonthly publication of the U.S. Geological Survey, Reston, VA.)

A USGS publication dealing with earthquakes and related topics. Articles of interest on seismic and volcanic activity. A list of major world and U.S. earthquakes that took place in the two-month period prior to bulletin's publication.

Source: Superintendent of Documents, U.S. Government Printing Office,
Washington, D.C. 20402, (202) 783-3238.

203. *EARTHQUAKE SPECTRA*. (The professional journal of the Earthquake Engineering Research Institute, Berkeley, CA.)

The latest of EERI publications. A quarterly established with a "purpose of improving the practice of earthquake hazards mitigation, preparedness and recovery."

Source: EERI, 6431 Fairmount Ave., El Cerrito, CA 94530,
(415) 525-3668.

204. *EMERGENCY MANAGEMENT DISPATCH*. (A quarterly published by the Department of Political Science, University of Delaware, Newark, DE.)

A publication that grew out of a FEMA-NASPA Workshop for Public Administration faculty conducted in May 1984. Contains information on

publications, activities and conferences. Publication beyond June 1986 is uncertain. It is available free of charge.

Source: Richard T. Sylves, Editor, *EMERGENCY MANAGEMENT DISPATCH*, Department of Political Science, University of Delaware, Newark, DE 19716, (302) 451-2355.

205. *FEMA Newsletter*. (Official bimonthly newsletter of the Federal Emergency Management Agency, Washington, D.C.)

Publishes articles of interest from the area of disaster management, information from the National Emergency Training Center, list of new FEMA publications. A good source of information for local governments.

Source: Federal Emergency Management Agency, P.O. Box 8181, Washington, D.C. 20024.

206. *HAZARD MONTHLY*. (A publication of Research Alternative Inc., Rockville, MD.)

A newspaper style newsletter, addressing civil defense, fire and police personnel, emergency medical services and volunteer groups. News items from home and overseas disaster preparedness and lessons from past emergencies. List of new publications.

Source: Hazard Monthly, P. O. Box 8438, Rockville, MD 20856.

207. *NATIONAL EMERGENCY TRAINING GUIDE*. (A publication of Western Rescue Journal, Inc. Boise, Idaho.)

A new periodical that presents sources of training opportunities, resources, products and information.

Source: National Emergency Training Guide, 1819 Mark St., NE, Olympia, WA 98506.

208. *NATURAL HAZARDS OBSERVER*. (A bimonthly publication of Natural Hazards Research and Applications Information Center, Institute of Behavioral Science Number 6, University of Colorado, Boulder, CO.)

A bimonthly newsletter published by the Natural Hazards Research and Applications Center dedicated to strengthening communication between research workers, organizations and agencies concerned with publications

relating to natural hazards. Reports on latest completed and research in progress. Review of pending conferences, workshops and meetings, as well as abstracts of recent publications. Available free of charge.

Source: Natural Hazards Research and Applications Information Center,
Institute of Behavioral Science #6, Campus Box 482, University of
Colorado, Boulder, CO 80309.

209. *NETWORKS: EARTHQUAKE PREPAREDNESS NEWS*. (A quarterly of the Bay Area Regional Earthquake Preparedness Project, Oakland, CA.)

A quarterly newsletter published by the Bay Area Regional Earthquake Preparedness Project. A clearinghouse and information exchange for Bay Area government officials, volunteer groups and private sector personnel concerned with earthquake preparedness. Wide range of earthquake-related issues from a variety of perspectives.

Source: BAREPP, MetroCenter, 101 - 8th Street, Suite 152, Oakland, CA
94607, (415) 540-2713.

210. *NEWSLETTER*. (Published bimonthly by California Office of Emergency Services.)

A newsletter published by California OES in Sacramento. Contains information on current activities, legislation, personnel changes.

Source: California Office of Emergency Services, P.O. Box 9577,
Sacramento, CA 95823.

XIV. BIBLIOGRAPHIES

211. EERC. *ABSTRACT JOURNAL IN EARTHQUAKE ENGINEERING*. Berkeley, CA: National Information Service for Earthquake Engineering/Earthquake Engineering Research Center, University of California, Berkeley. (Updated Annually).

Source: Abstract Journal in Earthquake Engineering, EERC, 47th Street & Hoffman Blvd., Richmond, CA 94804 (415) 231-9401.

212. Fitzsimmons, Ann R. 1984. *NATURAL HAZARDS AND LAND USE PLANNING: AN ANNOTATED BIBLIOGRAPHY*. Boulder, CO: Natural Hazards Research and Applications Information Center, University of Colorado.

Source: Natural Hazards Research and Applications Information Center, Institute of Behavioral Science #6, Campus Box 482, University of Colorado, Boulder, CO 80309.

213. Morton, David R. 1979. *BIBLIOGRAPHY ON NATURAL DISASTER RECOVERY AND RECONSTRUCTION*. Boulder, CO: Natural Hazards Research and Applications Information Center, University of Colorado.

Source: Natural Hazards Research and Applications Information Center, Institute of Behavioral Science #6, Campus Box 482, University of Colorado, Boulder, CO 80309.

214. Morton, David R. 1985. *A SELECTED, PARTIALLY ANNOTATED BIBLIOGRAPHY OF RECENT (1983-1984) NATURAL HAZARDS PUBLICATIONS*. Boulder, CO: Natural Hazards Research and Applications Information Center, University of Colorado. (Updated Annually).

Source: Natural Hazards Research and Applications Information Center, Institute of Behavioral Science #6, Campus Box 482, University of Colorado, Boulder, CO 80309.

215. National Technical Information Service. 1984. *PUBLISHED SEARCHES* (on a range of topics, including earthquakes). Springfield, VA: U.S. Department of Commerce/NTIS.

Source: U.S. Department of Commerce, National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161 (703) 487-4600.

216. Quarantelli, E.L. 1980. *A 100 ITEM ANNOTATED BIBLIOGRAPHY ON DISASTER AND DISASTER PLANNING*. Columbus, OH: Department of Sociology, Disaster Research Center, The Ohio State University.

Source: Disaster Research Center, University of Delaware,
Newark, DE 19716.

217. Tennessee Earthquake Information Center, Earthquake Education Project. *RESOURCE LIBRARY INVENTORY*. Memphis, TN: Earthquake Education Project, T.E.I.C., Memphis State University.

Source: Earthquake Education Project, T.E.I.C., Memphis State University
Memphis, Tennessee 38152, (901) 454-2007.

XV. AUDIOVISUAL MATERIALS

"THE ALASKAN EARTHQUAKE, 1964"

Color film shows the disastrous effects of the great Alaska earthquake on population centers and focuses on the engineering problems that confront urban developers in earthquake prone areas. 20.5 minutes.

Source: United States Geological Survey, Visual Information Services
Office, 790 National Center, Reston, VA 22092, (703) 860-6171.

"AN APPROACH TO THE PREDICTION OF EARTHQUAKE"

Color film explains the Japanese prediction system through the experience of a village in an earthquake prone area. 27 minutes.

Source: American Education Film, P.O. Box 8188, Nashville, Tenn.
37207, (615) 868-2040.

"AND THE EARTHQUAKES"

Film showing earthquake faults and work done by Pacific Telephone Company and public safety agencies to provide better communications and a safer environment in earthquake country. Safety measures are offered on what to do before, during and after an earthquake. (Spanish version available) 13 1/2 minutes.

Source: Pacific Bell Corporate Television Library, c/o Vidicopy
Corporation, 650 Vaqueros Avenue, Suite D, Sunnyvale,
CA 94086, (408) 773-0550.

"ANY DAY WITHOUT WARNING"

Film describing importance of communications during a natural disaster. Includes safety tips. 27 1/2 minutes.

Source: Pacific Bell Corporate Television Library, c/o Vidicopy
Corporation, 650 Vaqueros Avenue, Suite D, Sunnyvale, CA
94086, (408) 773-0550.

"A CATALOG OF EARTHQUAKE RELATED SOUNDS"

1974. Cassette tape. Bulletin of the Seismological Society of America,
Vol. 64, #5.

"DISASTER, BEFORE IT HITS HOME"

A hard-hitting documentary film that poses some tough questions to be answered by communities seriously interested in disaster preparedness. 23 1/4 minutes.

Source: American Red Cross, Los Angeles Chapter, 2700 Wilshire Blvd.,
Los Angeles, CA 90057, (213) 739-5200.

"DISASTER READINESS: A CHALLENGE TO SCHOOL EMPLOYEES. UNIT 2: EARTHQUAKES"

A series of slide/tape programs designed to help school districts provide in-service training on various disasters. The unit on earthquakes contains one hundred and nine color graphics and photographs that focus on what to do before, during and after a major earthquake.

Source: Center for Educational Planning, Mail Code 243, Santa Clara
County Office of Education, 100 Skyport Drive, San Jose,
CA 95115.

"DISASTER SIGHTS AND SOUNDS"

Film on various scenes of different kinds of disasters, shelter scenes, and volunteer involvement. 8 minutes.

Source: American Red Cross, Los Angeles Chapter, Southern California
Division, 2700 Wilshire Blvd., Los Angeles, CA 90057,
(213) 739-5200.

"EARTH IN CHANGE - THE EARTH'S CRUST"

Color film explaining why the land changes on earth, describing how natural processes such as volcanic action and earthquakes affect the earth's crust. 16 minutes.

Source: Encyclopedia Britannica, Educational Corporation, 425 N.
Michigan Avenue, Chicago, IL 60611, (213) 347-7000.

"EARTHQUAKE"

Color film about the 1971 San Fernando Valley earthquake. #DDCP 20-278, 1972 - 28 1/2 minutes.

Source: Office of Emergency Services, 2800 Meadowview Rd.,
Sacramento, CA 95832, (916) 427-4990.

"EARTHQUAKE" (short version)

Condensed version of the film "Earthquake". Intended for television and limited time programs. #DDCP 20- 280, 13 minutes.

Source: Office of Emergency Services, 2800 Meadowview Rd.,
Sacramento, CA 95832, (916) 427-4990.

"EARTHQUAKE AT COALINGA"

Pulsed tape. Depicts damage caused by the earthquakes that struck Coalinga in May 1983, and how the American Red Cross helped the victims of the disaster. 13 minutes.

Source: American Red Cross, Los Angeles Chapter, Southern California
Division, 2700 Wilshire Blvd., Los Angeles, CA 90057
(213) 739-5200.

"EARTHQUAKE...BEING PREPARED FOR THE EMERGENCY AT HOME"

A video discussing preparedness measures in the home; suitable for the general public. 26:17 minutes.

Source: Baker's Dozens, 950 E Katella Ave., Suite 9, Orange, CA 92667,
(714) 538-4486.

"EARTHQUAKE....BEING PREPARED FOR THE EMERGENCY AT WORK"

A video discussing preparedness measures for GTE employees. 12-1/2 minutes.

Source: General Telephone Company of California, 3420 Ocean Park
Blvd., Santa Monica, CA 90405.

"EARTHQUAKE BELOW"

Film on the San Francisco 1906 earthquake. It outlines the fault systems and the prime targets for preparedness for future earthquakes. 15 minutes #009470/4i

Source: Army Training and Audiovisual Support Center, ATTN: AFZW
DC-TA, Fort Ord, CA 93941.

"EARTHQUAKE DON'TS AND DO'S"

Film about a young man who experiences an earthquake and how his panic prevents him from reacting correctly. 1972. 11 minutes.

Source: Office of Emergency Services, 2800 Meadowview Rd.,
Sacramento, CA 95382, (916) 427-4990.

"EARTHQUAKE EMERGENCY ACTION"

Film animation is used to point out the steps people should take to preserve their lives in an earthquake. 6 minutes.

Source: American Red Cross, Los Angeles Chapter, Southern California
Chapter, 2700 Wilshire Blvd., Los Angeles, CA 90057,
(213) 739-5200.

"EARTHQUAKES: ENVIRONMENTS AND EFFECTS"

A video exploring various environments in which earthquakes may strike: coast, hills, cities, rural areas-- before impact and after damage is done. Leaders's guide included.

Source: California Earthquake Education Project, Lawrence Hall of
Science, University of California, Berkeley,
CA 94720, (415) 642-8718.

"EARTHQUAKES - LESSON OF A DISASTER"

Film shows the disastrous results of earthquakes in California (1971) and Turkey (1970). It shows damages and discusses how to prevent this destruction. 15 minutes.

Source: Encyclopedia Britannica, Educational Corporation, 425 N.
Michigan Avenue, Chicago, IL 60611, (213) 347-7000.

"EARTHQUAKE PREPAREDNESS--A KEY TO SMALL BUSINESS SURVIVAL"

A slide tape program on the activities small businesses are advised to undertake before an earthquake in order to avoid and/or minimize losses. Produced by Southern California Earthquake Preparedness Project. 15 minutes.

Source: American Red Cross, Los Angeles Chapter, Southern California
Division, 2700 Wilshire Blvd., Los Angeles, CA 90057,
(213) 739-5200.

"EARTHQUAKE PREPAREDNESS IN HIGH-RISE OFFICE BUILDINGS"

Slide tape program on nonstructural hazard reduction, preparedness planning and employee planning and employee readiness for tenants of a high-rise office work site. 12 minutes.

Source: BAREPP, MetroCenter 101 - 8th Street, Suite 152, Oakland, CA 94607, (415) 540-2713.

"EARTHQUAKE PREPAREDNESS IN MOBILE HOME COMMUNITIES"

Slide tape program on preparedness for a mobile home park. 12 minutes.

Source: BAREPP, MetroCenter 101 - 8th Street, Suite 152, Oakland, CA 94607, (415) 540-2713.

"THE EARTHQUAKE THREAT: LIVING IN APARTMENTS" (Also in Spanish)

Slide tape program on preparedness for an apartment complex. 12 minutes.

Source: BAREPP, MetroCenter 101 - 8th Street, Suite 152, Oakland, CA 94607, (415) 540-2713.

"THE EARTHQUAKE THREAT TO THE SAN FRANCISCO BAY REGION"

Slide tape program describing the earthquake threat to the Bay Region. To be used as an awareness and educational device. 11 minutes.

Source: BAREPP, MetroCenter 101 - 8th Street, Suite 152, Oakland, CA 94607, (415) 540-2713.

"EARTHQUAKE - YOU CAN SURVIVE" (Also in Spanish)

Pulsed tape. Outlines what you can do to be personally prepared for an earthquake; what you can do when an earthquake strikes; and what you should and should not do after an earthquake strikes. 9 1/2 minutes.

Source: American Red Cross, Los Angeles Chapter, Southern California Division, 2700 Wilshire Blvd., Los Angeles, CA 90057, (213) 739-5200.

"EMPLOYEE EARTHQUAKE PREPAREDNESS"

Pulsed tape. Program is designed to help you survive a major earthquake should it strike while you are at work. It provides information that can be used to prepare your work area, and protect yourself, prior to and during an earthquake. Also what you should and should not do after an earthquake has occurred. 14 minutes.

Source: American Red Cross, Los Angeles Chapter, Southern California Division, 2700 Wilshire Blvd., Los Angeles, CA 90057, (213) 739-5200.

"EMPLOYEE EARTHQUAKE PREPAREDNESS FOR THE WORK PLACE AND HOME"

A slide tape presentation of preparedness activities for the office and home. Prepared jointly by P. G. & E. and the Red Cross. 139 slides. 19 minutes.

Source: Golden Gate Chapter, American Red Cross, 1550 Sutter Street, San Francisco, CA 94109.

"EXPO 70"

Depicts an earthquake exercise conducted by four Los Angeles hospitals to test disaster preparedness and casualty handling.

Source: American Red Cross, Los Angeles Chapter, Southern California Division, 2700 Wilshire Blvd., Los Angeles, CA 90057, (213) 739-5200.

"FACE OF DISASTER"

Black and white film is a short version of the Alaska Earthquake with short shots of other disasters (tornadoes and floods). It emphasizes coping with disasters. 10 minutes #DDCP 20-239.

Source: Army Training and Audiovisual Support Center, ATTN: AFZW-DC-TA, Fort Ord, CA 93941.

"HELP:HANDS-ON EARTHQUAKE LEARNING PACKAGE"

A visual explanation of HANDS-ON curriculum package. Children in a classroom setting are led through the curriculum. A video. 17 minutes. July 1984.

Source: Environmental Volunteers, 2253 Park Blvd., Palo Alto, CA 94306, (415) 327-6017.

"IN SEARCH OF EARTHQUAKES"

Vivid documentation of earthquakes and the devastation they cause. Experts discuss what causes earthquakes, the inevitability of major seismic activity, and the efforts under way to predict the time and place of future earthquakes. 26 minutes.

Source: American Red Cross, Los Angeles Chapter, Southern California Division, 2700 Wilshire Blvd., Los Angeles, CA 90057, (213) 739-5200.

"OUR ACTIVE EARTH" (Also in Spanish)

Film features Charlton Heston as host/narrator and Clarence Allen, Henry Degenkolb and J. Somner Miller discussing earthquakes, building construction and preparedness. It also includes animation sequences on preparedness. Color, 28 1/2 minutes.

Source: Office of Emergency Services, 2800 Meadowview Rd., Sacramento, CA 95832 (916) 427-4990.

"THE PLANNING PROCESS: PREPAREDNESS PLANNING IN EARTHQUAKE COUNTRY"

Slide tape program explaining the earthquake planning process and describing the format of The Southern California Earthquake Preparedness Project planning guidelines. 15 minutes.

Source: BAREPP, MetroCenter 101 - 8th Street, Suite 152, Oakland, CA 94607, (415) 540-2713.

"RESPONSE TO DISASTER"

Film shows the Alaska earthquake's destruction and reconstruction/recovery problems which followed. 20 minutes #002184/4i.

Source: Army Training and Audiovisual support Center, ATTN: AFZW-DC-TA, Fort Ord, CA 93941.

"THE SAN ANDREAS FAULT"

Color film shows the geology of the fault system and relates these forces to the causes of earthquakes. 12 minutes.

Source: Encyclopedia Britannica, Educational Corporation, 425 N. Michigan Avenue, Chicago, IL 60611, (213) 347-7000.

"THOUGH THE EARTH BE MOVED"

Black and white film tells the story of the Good Friday Alaska earthquake of 1964. Documentary #DDCP 20-238, 45 minutes.

Source: Office of Emergency Services, 2800 Meadowview Rd., Sacramento, CA 95832, (916) 427-4990.

"TIME TO PREPARE"

A filmstrip that details the major components necessary to implement the Los Angeles Unified School District's Emergency Plan. Sold as part of an Emergency Procedures Package.

Source: Student Auxiliary Services Branch, Los Angeles Unified School District, 450 North Grand Ave., Room G-303, Los Angeles, CA 90012.

"TOMORROW'S QUAKE - EARTHQUAKE PREDICTION"

Color film explores the San Andreas fault with animation techniques and live action footage. A geology film which also treats prediction studies such as animal behavior. 16 minutes.

Source: American Education Film, P.O. Box 8188, Nashville, TN 37207, (615) 868-2040.

"WARNING: EARTHQUAKES"

Film showing the destructive power of an earthquake. Describes earthquake prediction, research involving building construction and city design. 24 minutes.

Source: Encyclopedia Britannica, Educational Corporation, 425 N. Michigan Avenue, Chicago, IL 60611, (213) 347-7000.

"WHEN THE EARTH MOVES"

Color film describing how and where earthquakes, subsidence, landslides, swelling soils, floods, glaciers, and volcanoes occur. It explains how planning and appropriate action can mitigate the effects of such hazards. 27 1/2 minutes.

Source: United States Geological Survey, Visual Information Services
Office, 790 National Center, Reston, VA 22092, (703) 860-6171.

"YOUR CHANCE TO LIVE" (File series)

The series includes twelve 14-minute films on various disasters. "Earth Watch" and "Earthquake." "Earthquake" shows earthquake devastation, material on the causes of earthquakes and some preparedness material. "Earth Watch" is about disasters on earth, with brief material about natural and technological disasters.

Source: Office of Emergency Services, 2800 Meadowview Rd.,
Sacramento, CA 95832, (916) 427-4990.

For further sources of audio-visual materials, see the following:

"DIRECTORY OF SOURCES FOR FILMS AND OTHER VISUAL MATERIALS ON NATURAL HAZARDS AND THEIR MITIGATION." 1978. Boulder, CO: Natural Hazards Research and Applications Information Center. Institute of Behavioral Science #6. University of Colorado.

"NATURAL HAZARDS PHOTOGRAPHS." 1984. Key to Geographical Records Documentation #20. Boulder, CO: National Geophysical Data Center.

XVI. ORGANIZATIONS INVOLVED IN EARTHQUAKE PREPAREDNESS PLANNING

AGENCIES

American Red Cross
1550 Sutter Street
San Francisco, CA 94109
(415) 776-1500

Bay Area Regional Earthquake
Preparedness Project
MetroCenter, 101 - 8th St., Suite. 152
Oakland, CA 94607
(415) 540-2713

California Seismic Safety Commission
1900 K Street, Ste. 100
Sacramento, CA 95814
(916) 322-4917

Environmental Volunteers
2253 Park Blvd.
Palo Alto, CA 94306
(415) 327-6017

Governor's Office of
Emergency Services
2800 Meadowview Road
Sacramento, CA 95823
(916) 427-4990

U.S. Geological Survey
345 Middlefield Road
Menlo Park, CA 94025
(415) 556-9881

Association of Bay Area
Governments
MetroCenter, P. O. Box 2050
Oakland, CA 94604
(415) 464-7900

California Earthquake
Education Project
Lawrence Hall of Science
University of California
Berkeley, CA 94720
(415) 642-8718

Division of Mines and
Geology
Department of Conservation
380 Civic Drive
Pleasant Hill, CA 94523
(415) 671-4920

Federal Emergency
Management Agency
Region IX
Building 105
Presidio of San Francisco,
CA 94129
(415) 556-9881

Office of Emergency
Services,
Region II
360 Civic Drive, Ste. 1
Pleasant Hill, CA 94523
(415) 671-4908

COUNTY EMERGENCY SERVICES

ALAMEDA

Director, Emergency Services
Courthouse
1225 Fallon Street, Rm. 103
Oakland, CA 94612
(415) 874-6439

Asst. Director, Emergency
Services
2000 - 150th Ave.
San Leandro, CA 94578
(415) 577-1332

CONTRA COSTA

Director, Emergency Services
50 Glacier Drive
Martinez, CA 94553
(415) 228-5000

MARIN

Dep. Director, Emergency
Services
Civic Center, Rm. 277
San Rafael, CA 94903
(415) 499-6872

NAPA

Dep. County Administrator
1195 Third St., Rm. 310
Napa, CA 94559
(707) 253-4421

SAN FRANCISCO

Director, Mayor's Office of
Emergency Services
1111 Market St., 2nd Flr.
San Francisco, CA 94103
(415) 558-2984

SAN MATEO

Operational Area Coordinator
San Mateo Area OES
401 Marshal Street
Redwood City, CA 94063
(415) 363-4790

SANTA CLARA

Emergency Services
Coordinator
County Government Center
70 W. Hedding Street,
11th Flr.
San Jose, CA 95110
(408) 299-3751

SANTA CRUZ

Operation Area Coordinator
Office of Emergency Services
Governmental Center,
Room. 060
701 Ocean Street
Santa Cruz, CA 95060
(408) 425-2045

SOLANO

Emergency Services
Coordinator
Courthouse Annex
600 Texas Street
Fairfield, CA 94533
(707) 429-6506

SONOMA

Emergency Services Coordinator
600 Administrative Drive, Rm. 103C
Santa Rosa, CA 95401
(701) 527-2361

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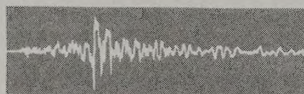
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BAREPP



**BAY AREA REGIONAL
EARTHQUAKE PREPAREDNESS
PROJECT**

METROCENTER
101 8TH STREET, SUITE 152
OAKLAND, CA 94607
(415)540-2713